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Demonstration Erosion Control Project Monitoring Program

Fiscal Year 1993 Report

Volume III: Appendix B

Hotophia Creek Watershed

Profiles and Cross Sections

by David D. Abraham, Wendy L. Johnson Hydraulics Laboratory



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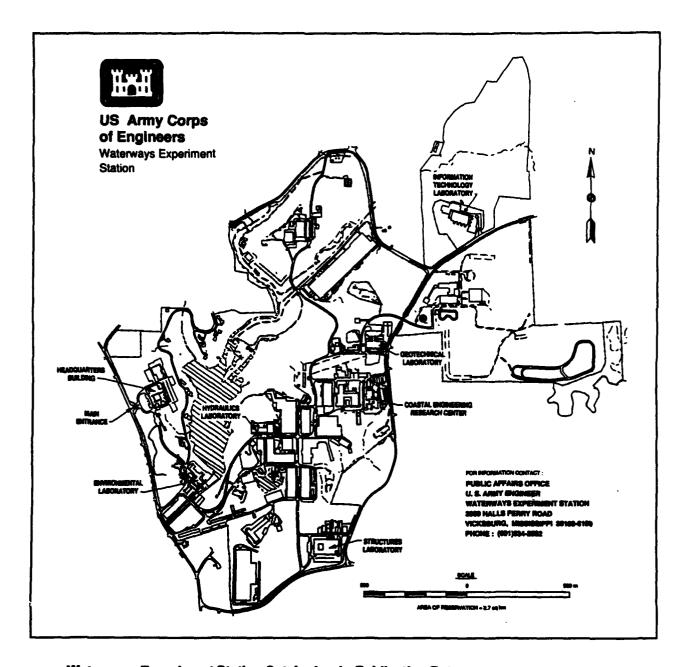
Hydraulics Laboratory

U.S. Army Corps of Engineers Waterways Experiment Station 3909 Halls Ferry Road Vicksburg, MS 39180-6199

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Appendix B Hotophia Creek Watershed Profiles and Cross Sections

Channel Profiles

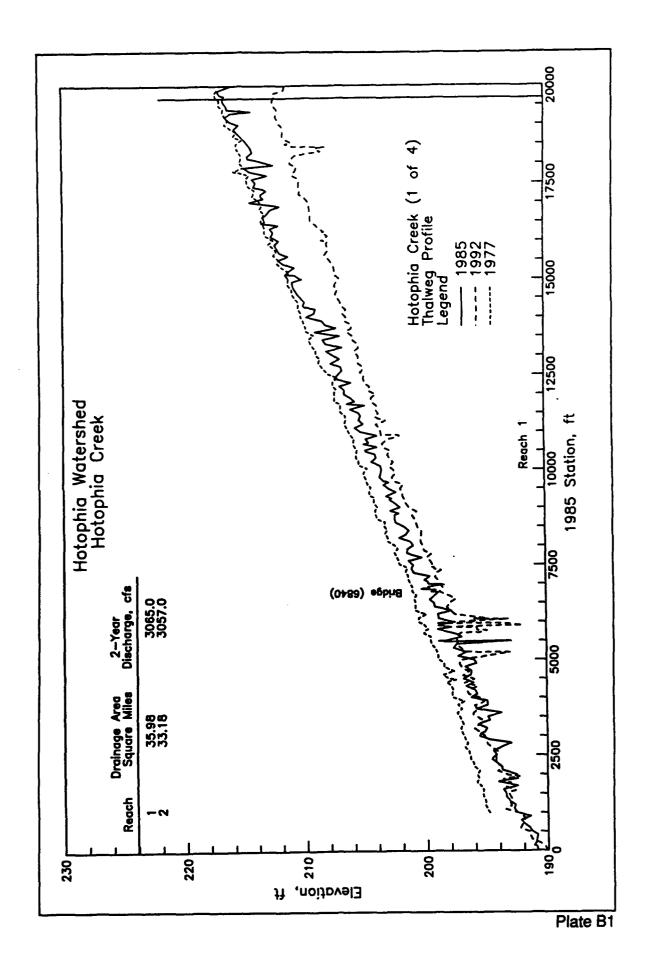
Comparisons of channel profiles in the Hotophia Creek watershed from 1977, 1985, and 1992 are shown in Plates B1-B8. The following channels are represented in these profile plots:

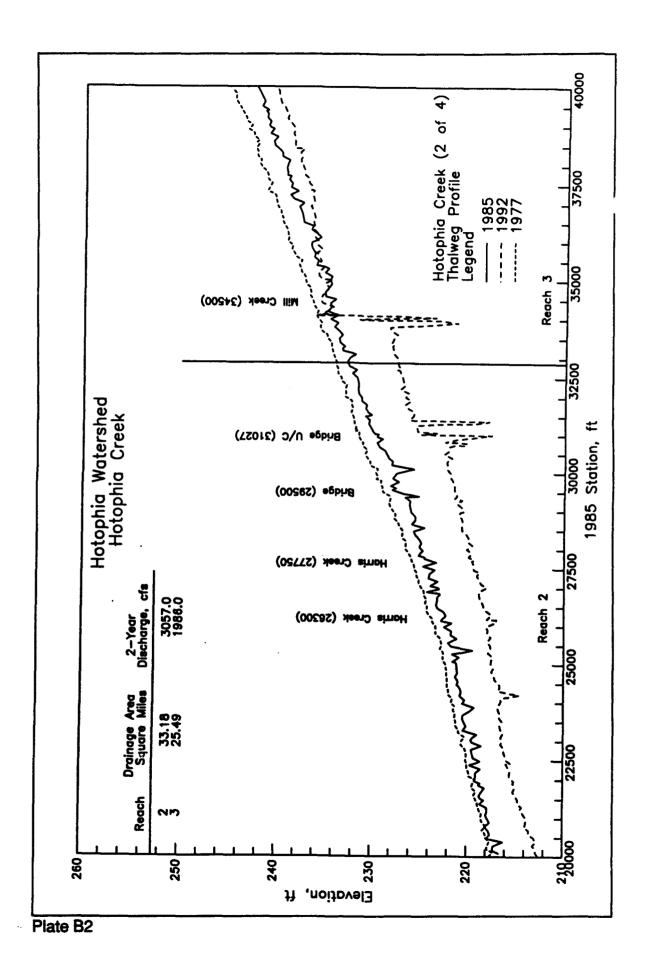
Creek	Plate
Hotophia	B1-B4
Herris -	85
Mill	B6
Deer	B7
Mercum	B6

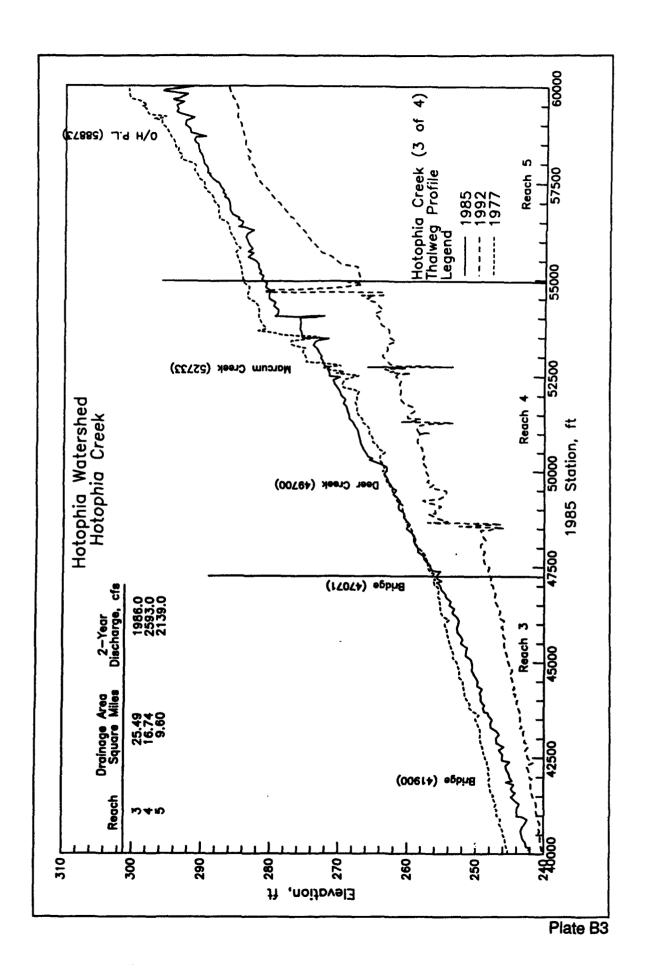
Channel Cross Sections

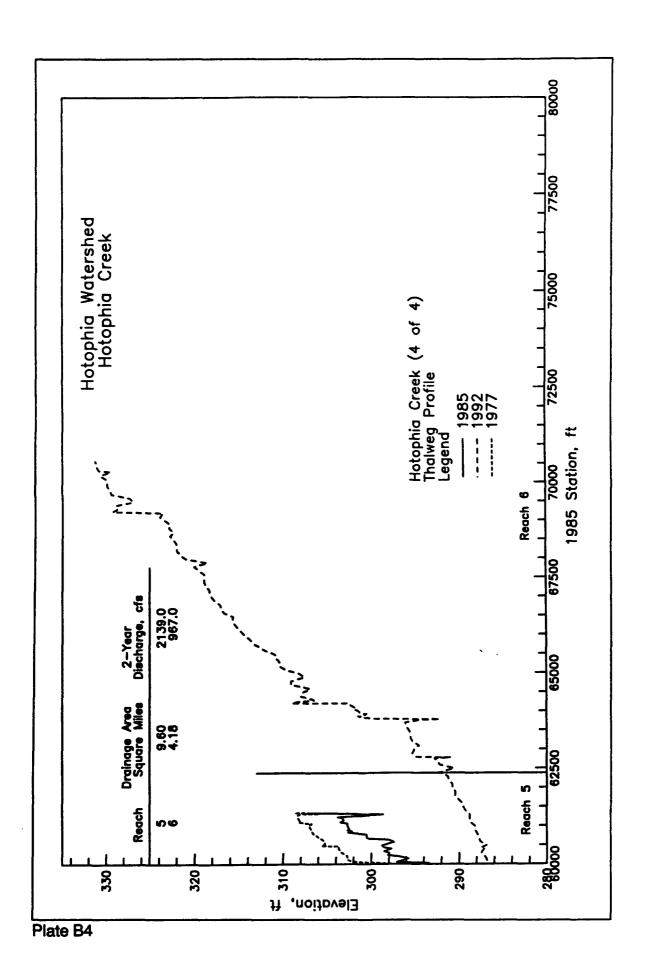
Comparisons of channel cross sections in the Hotophia Creek watershed from 1977, 1985, and 1992 are shown in Plates B9-B84. The following channels are represented in these cross-section plots:

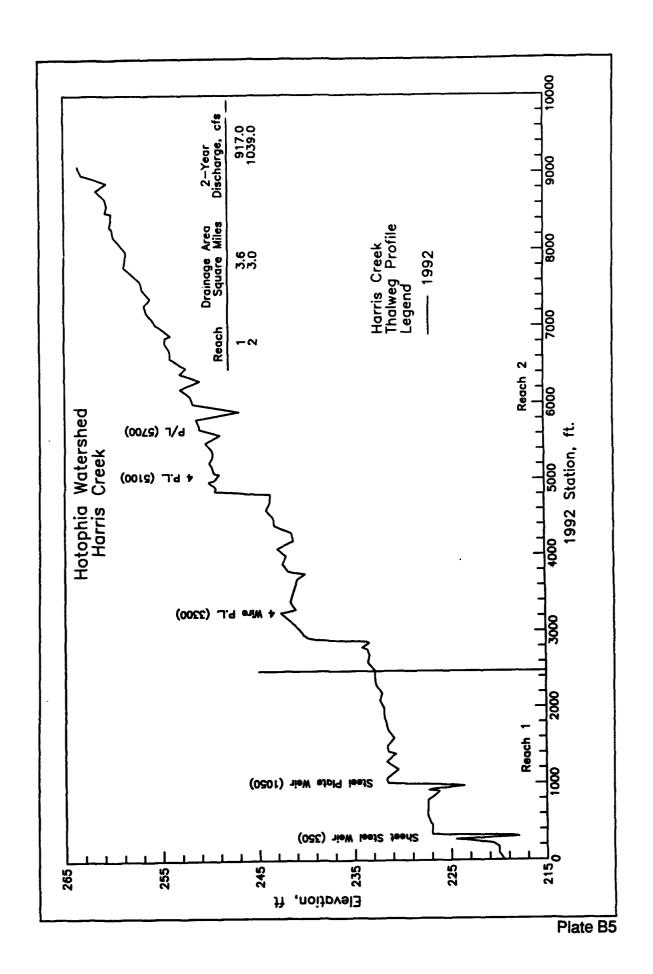
Crook	Pleto
Hotophia	B9-B64
Herris	B65-B67
MIII	B68-B70
Deer	871-877
Mercum	B78-B84

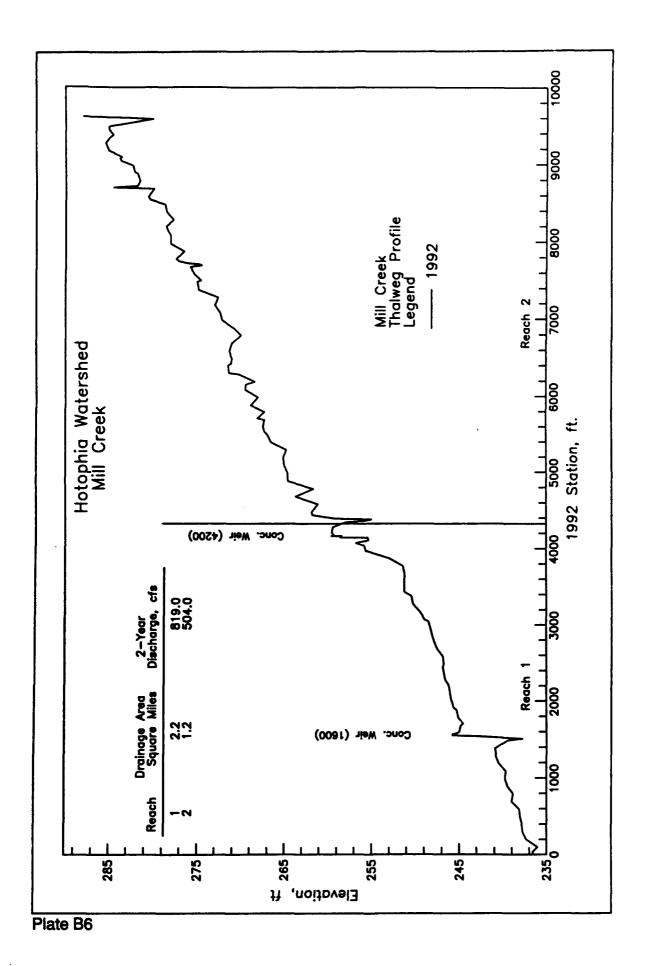


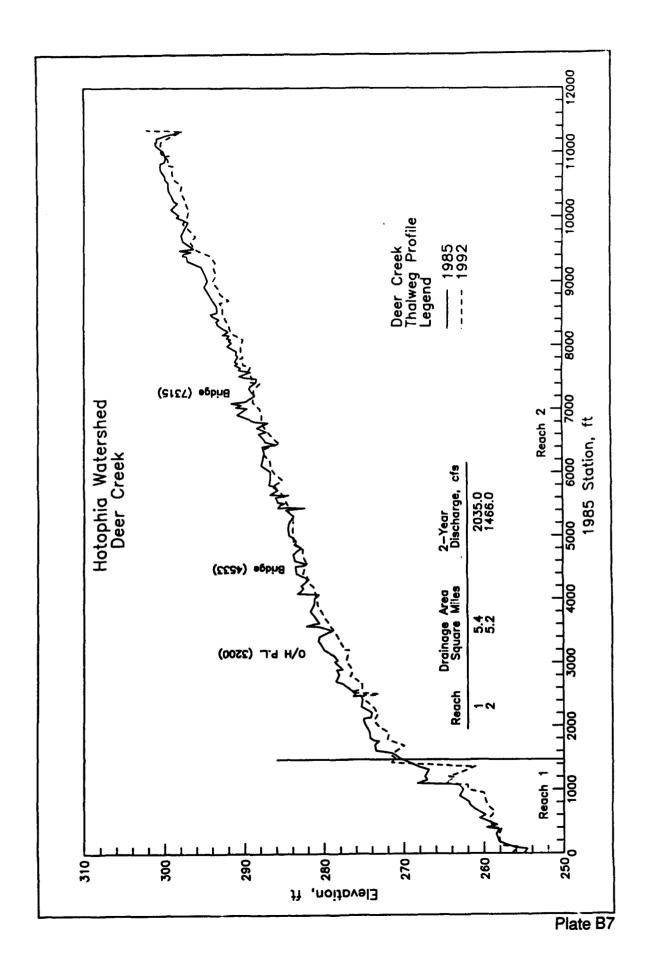


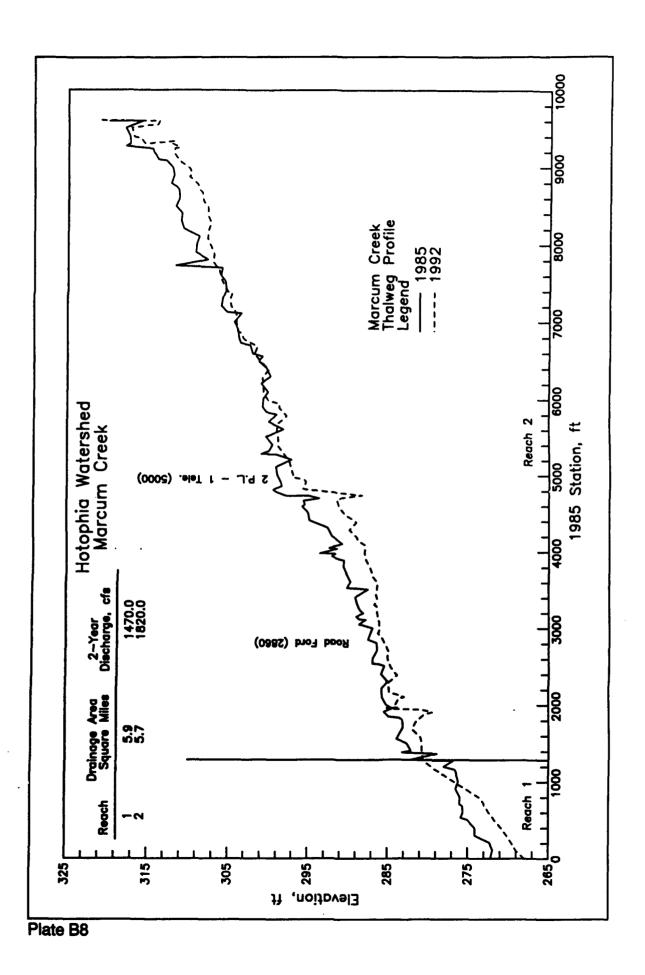


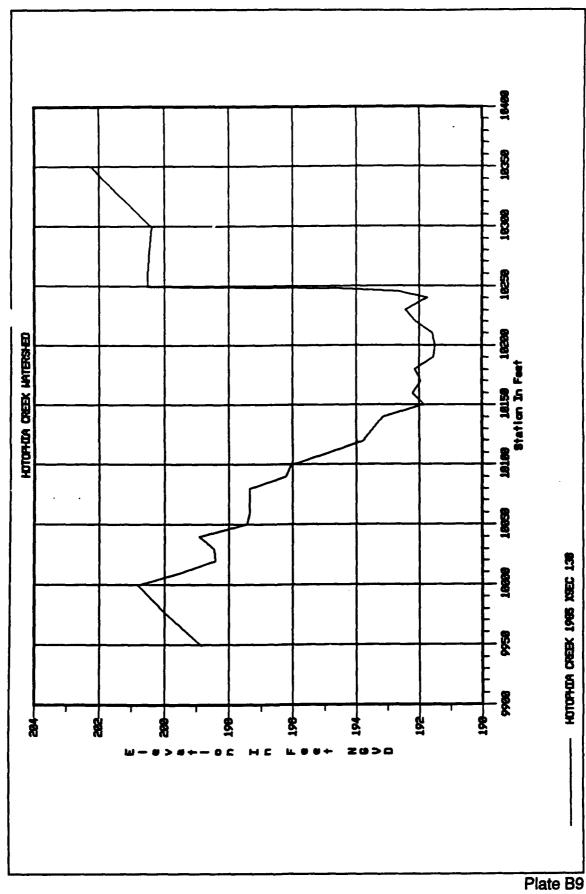


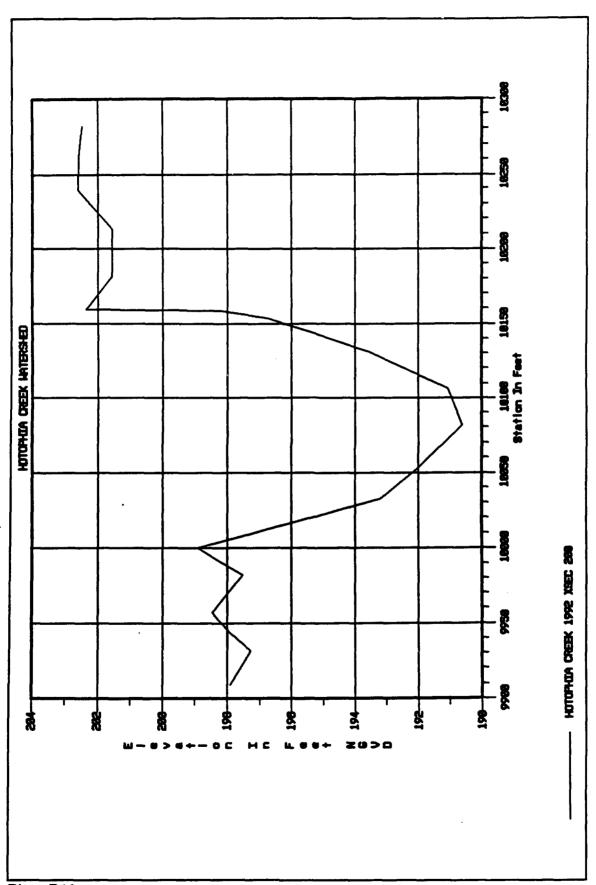


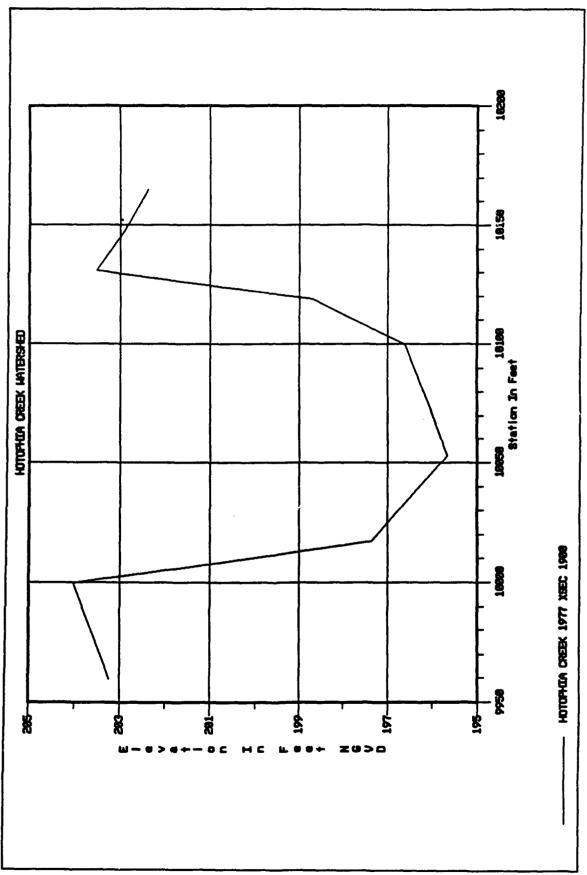


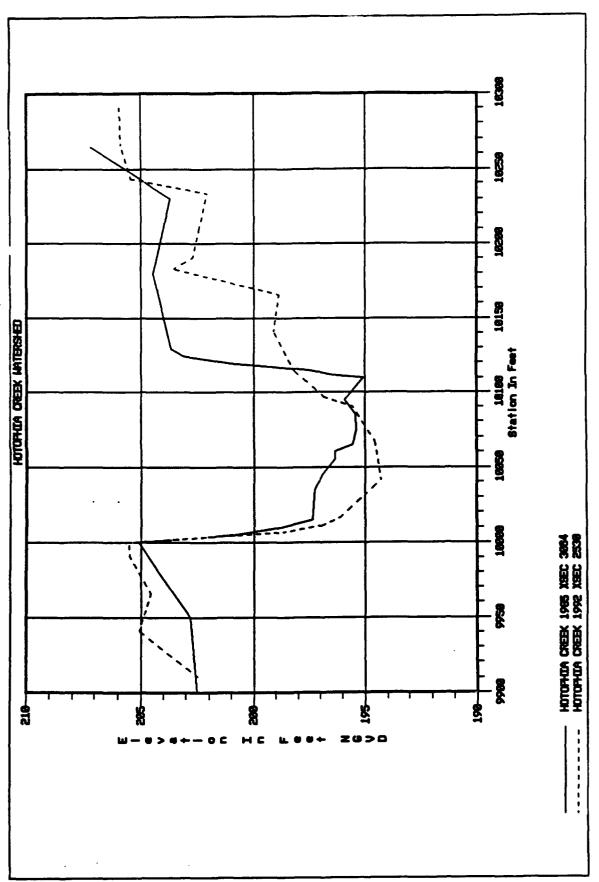


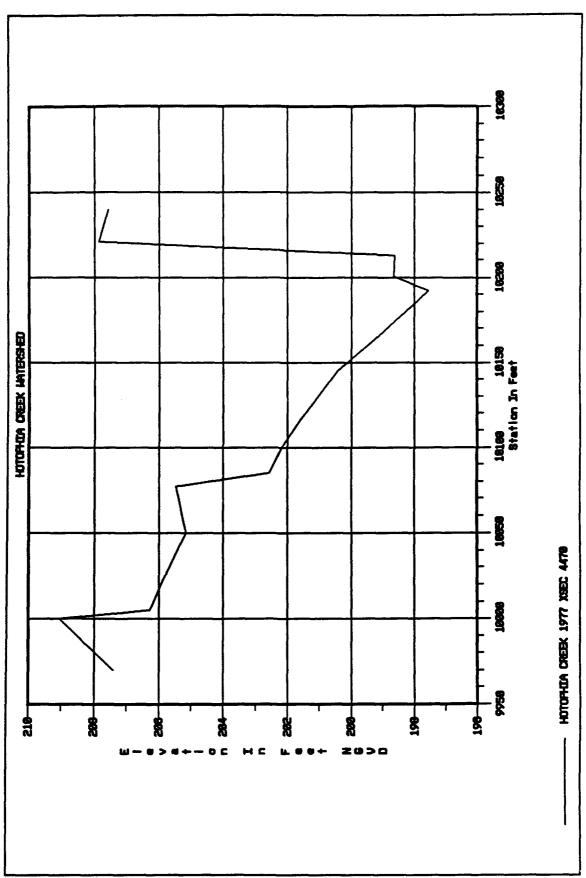


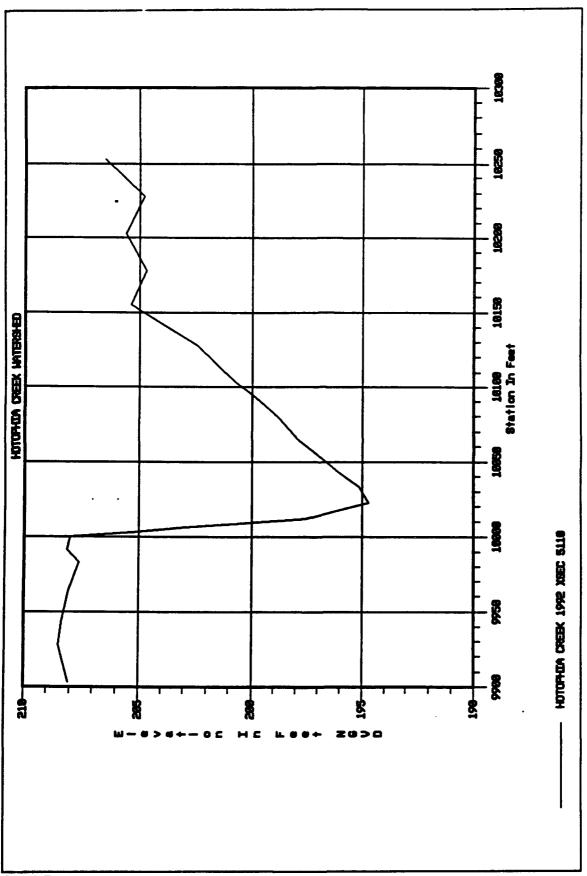


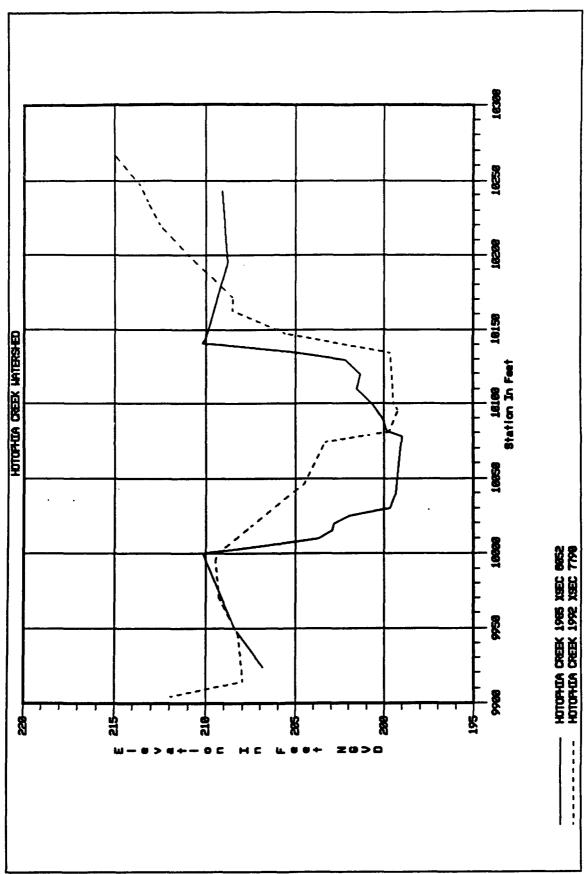


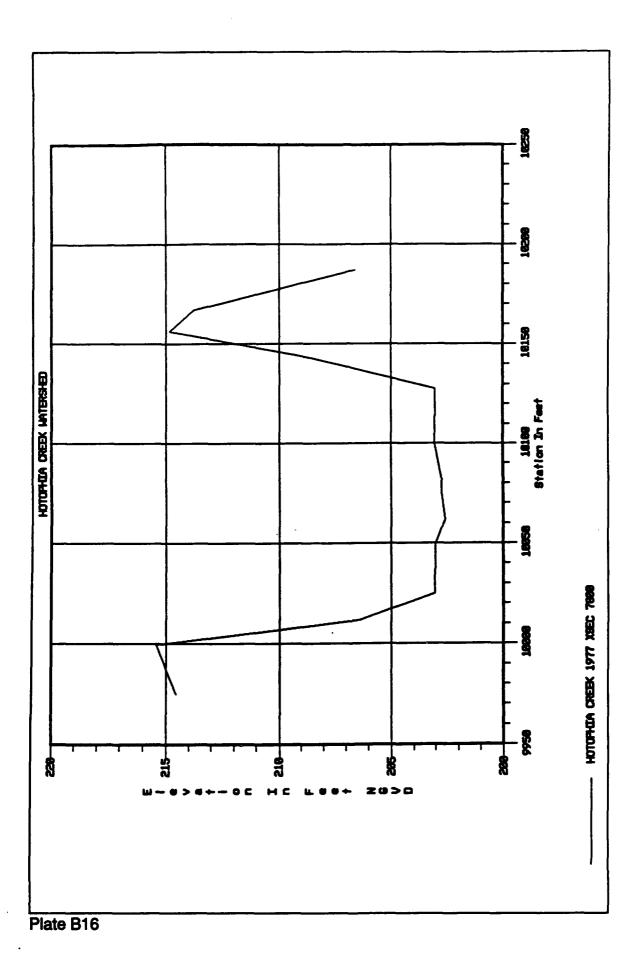


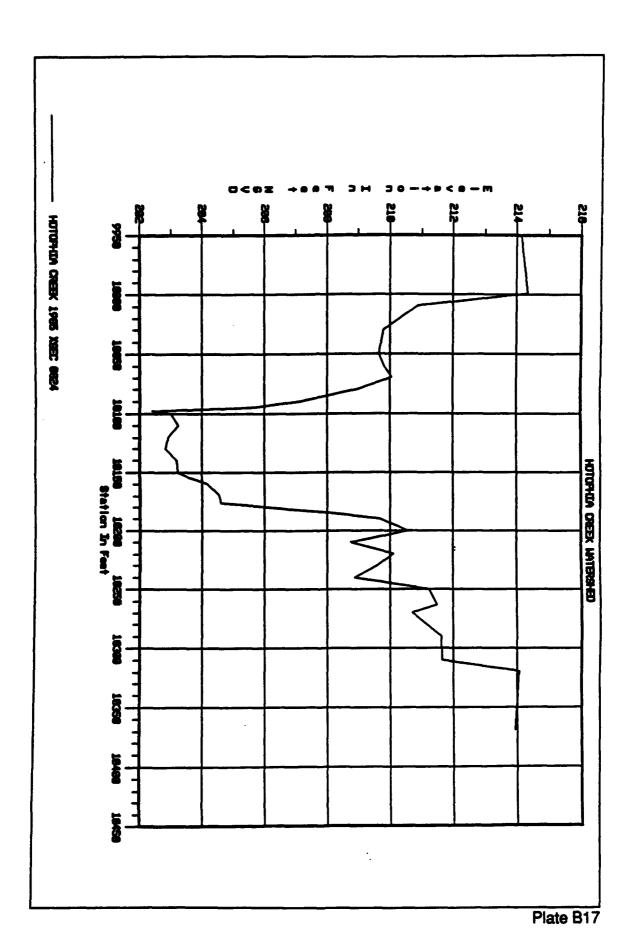












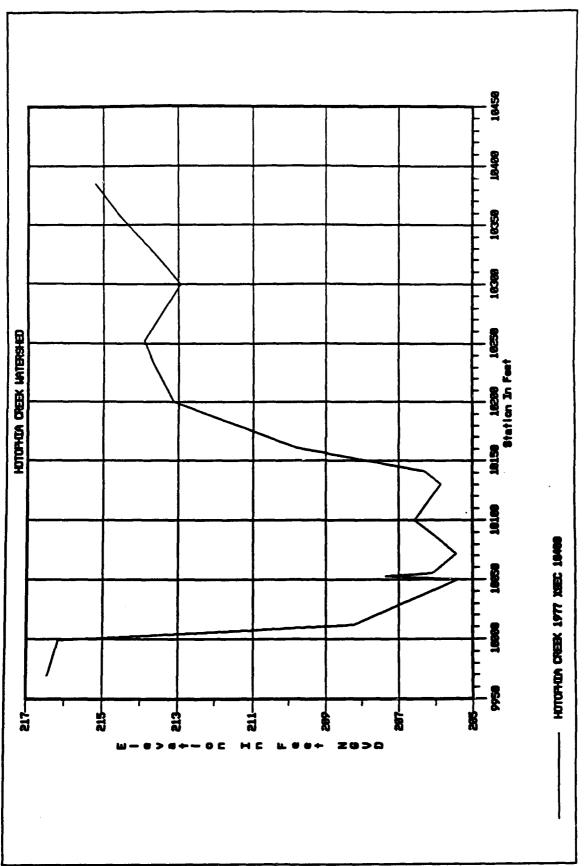
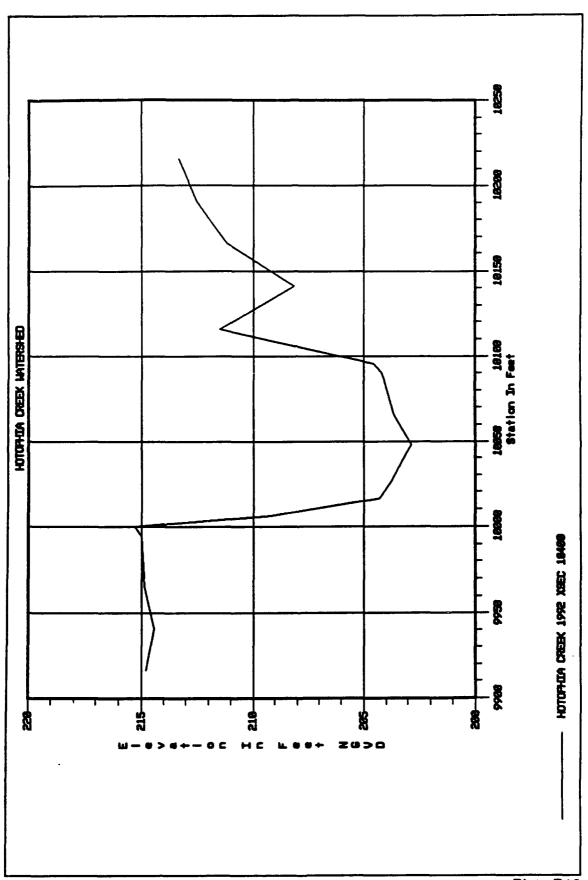
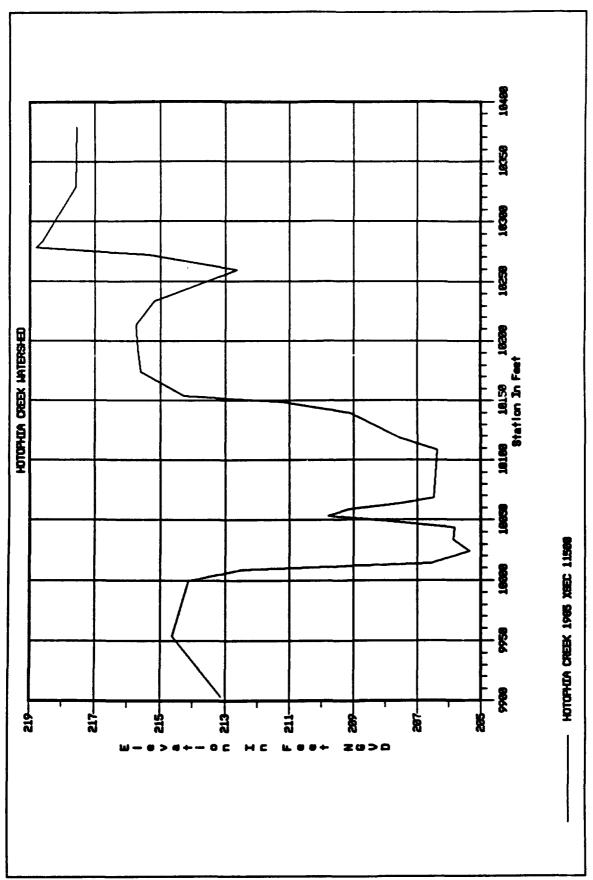
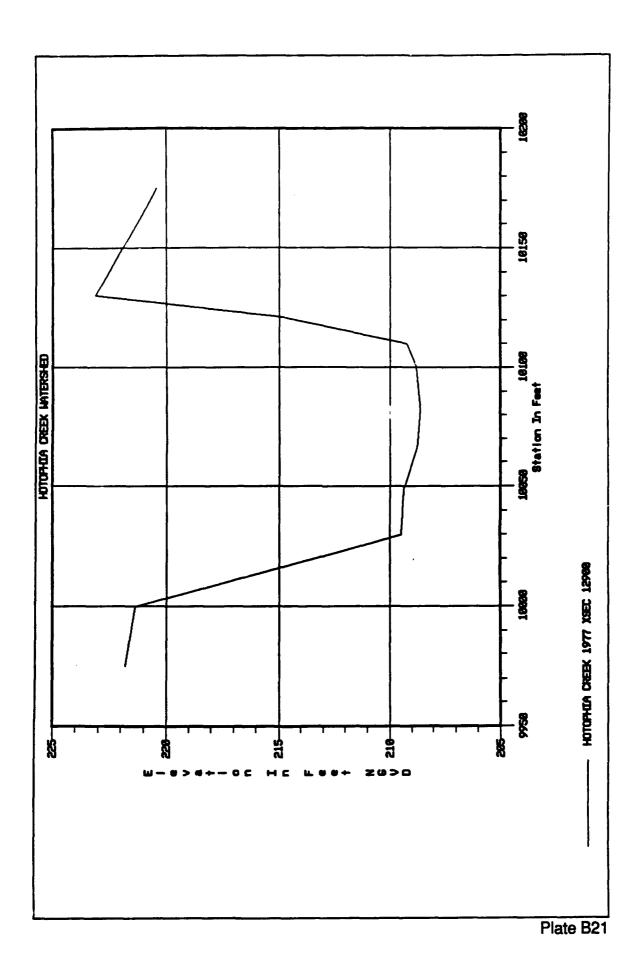
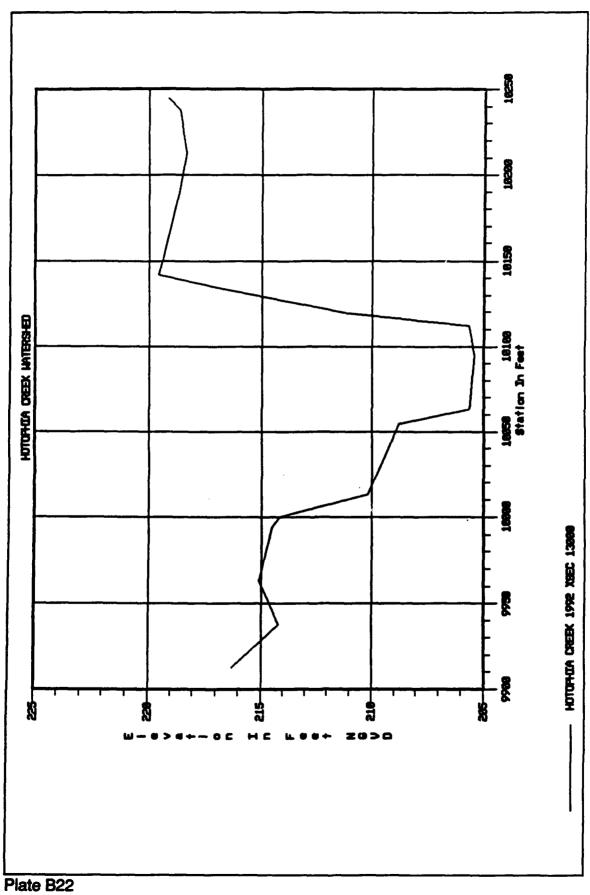


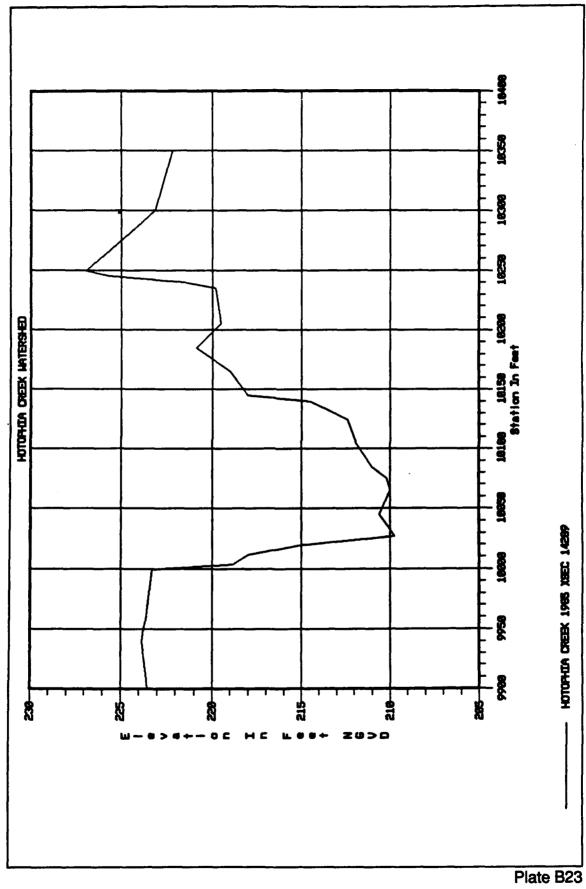
Plate B18

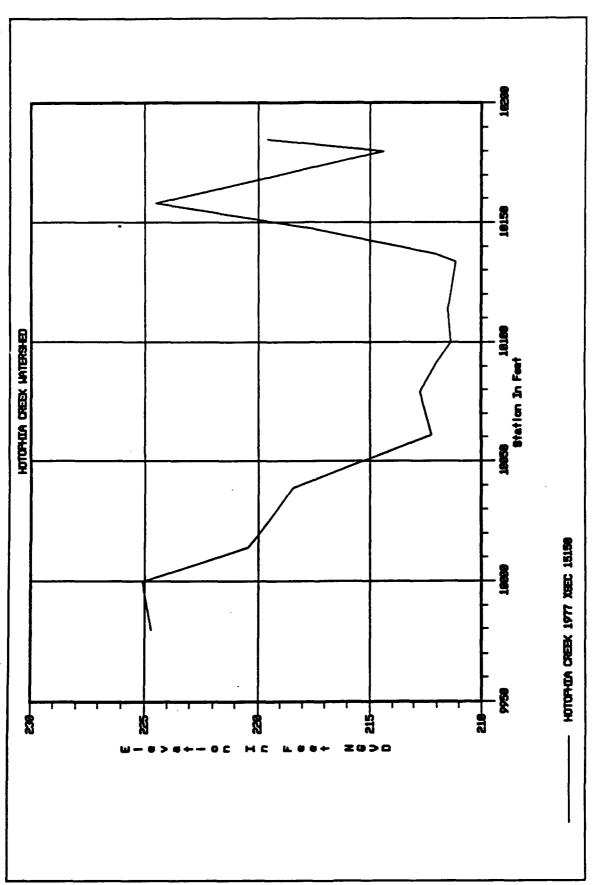


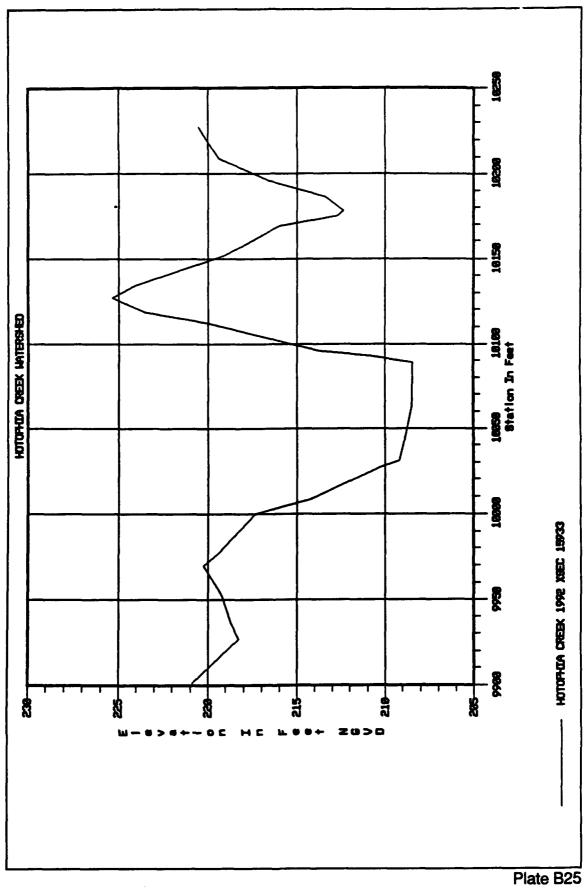


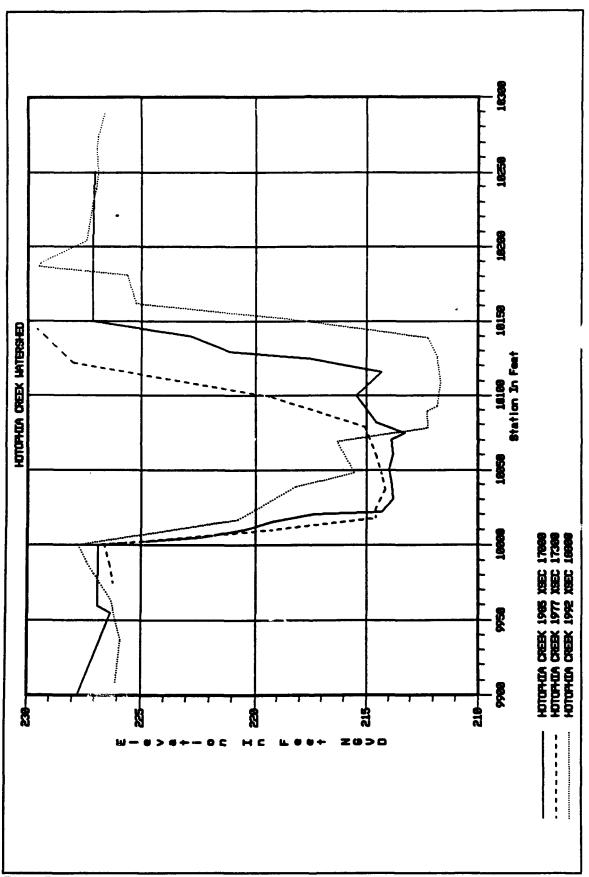


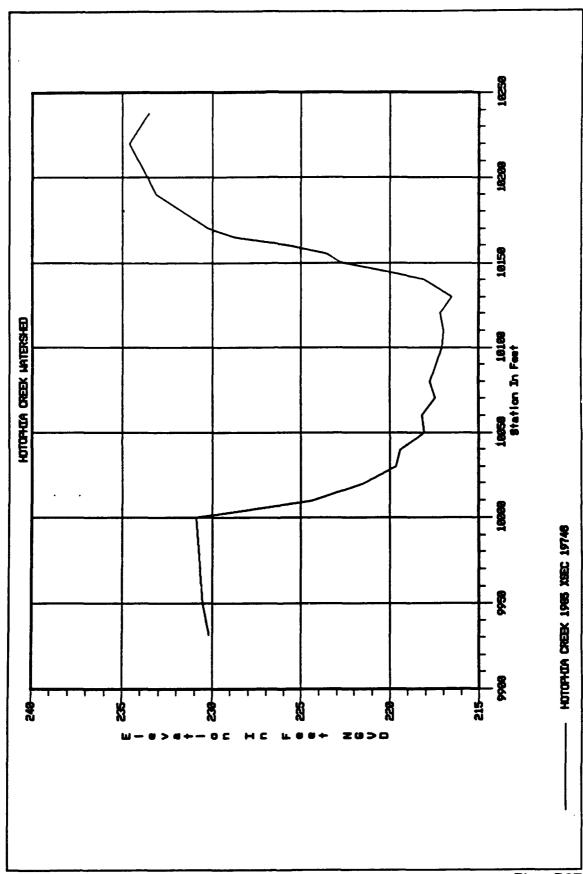


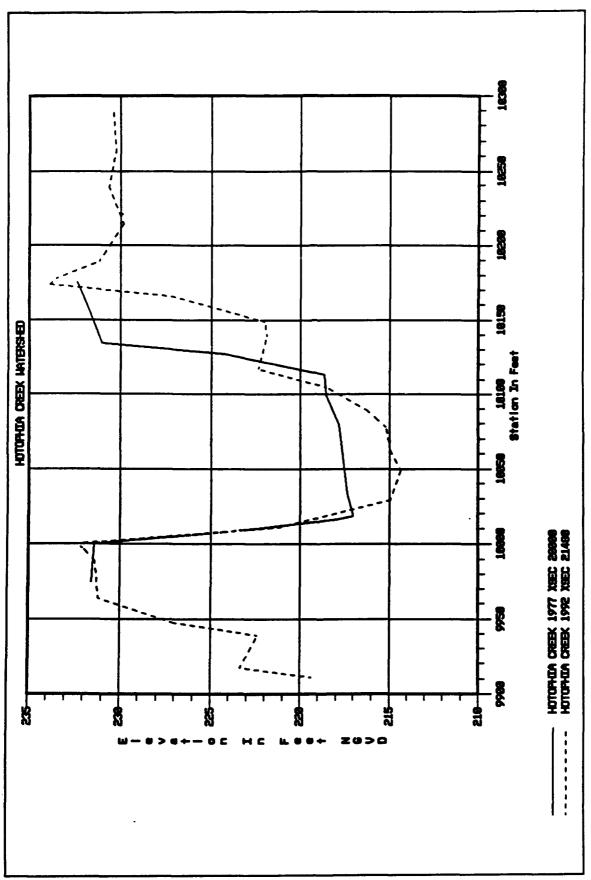


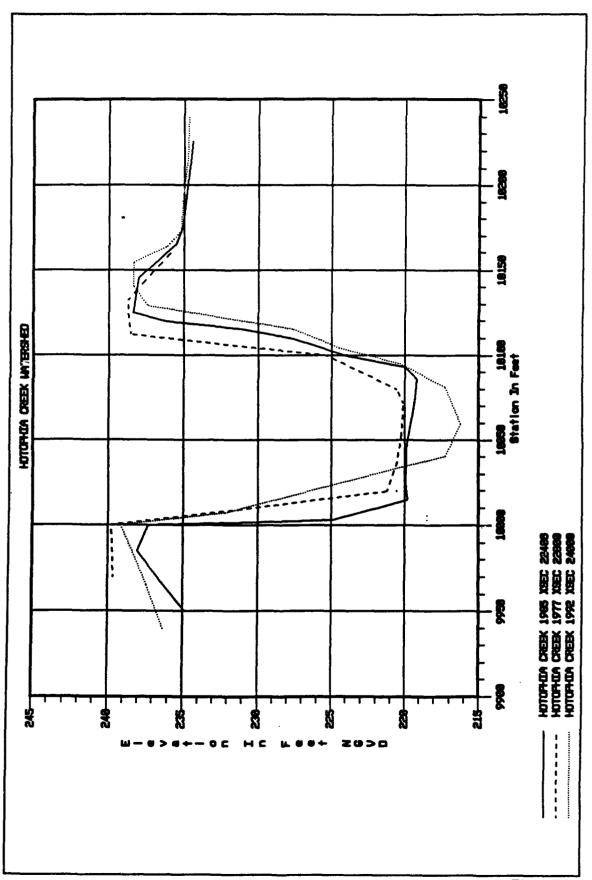


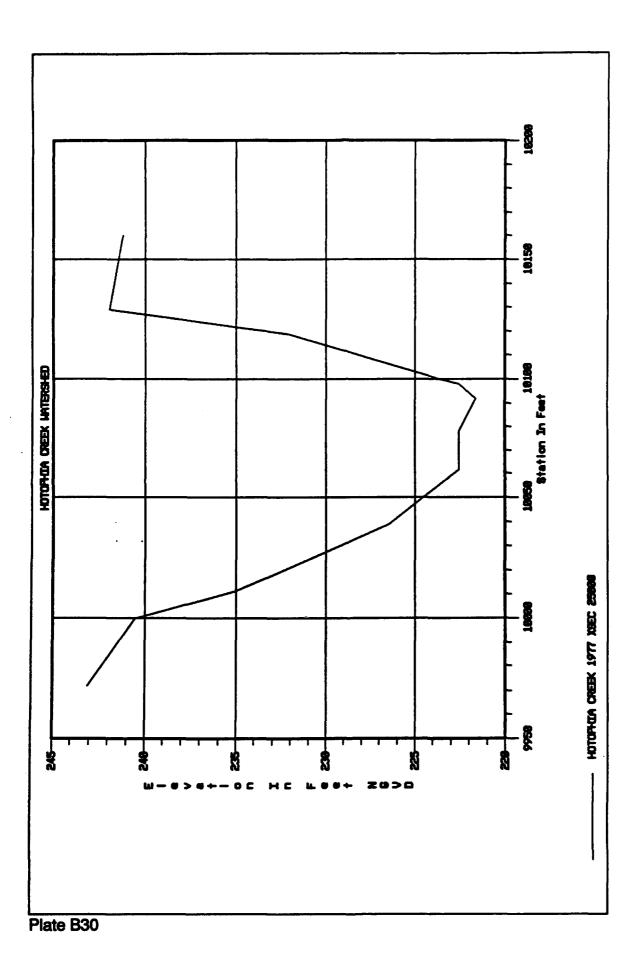


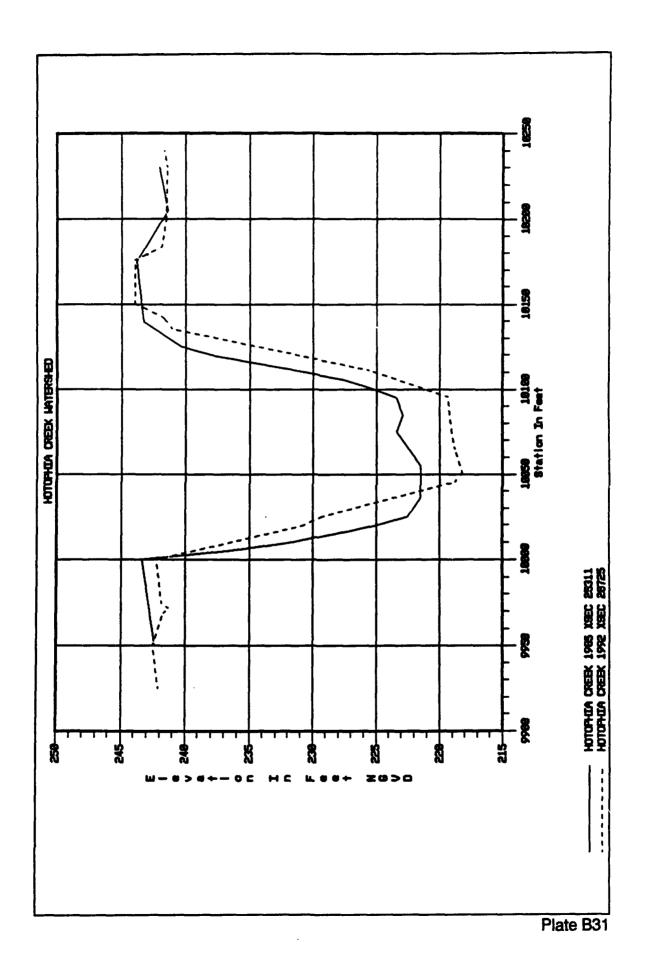


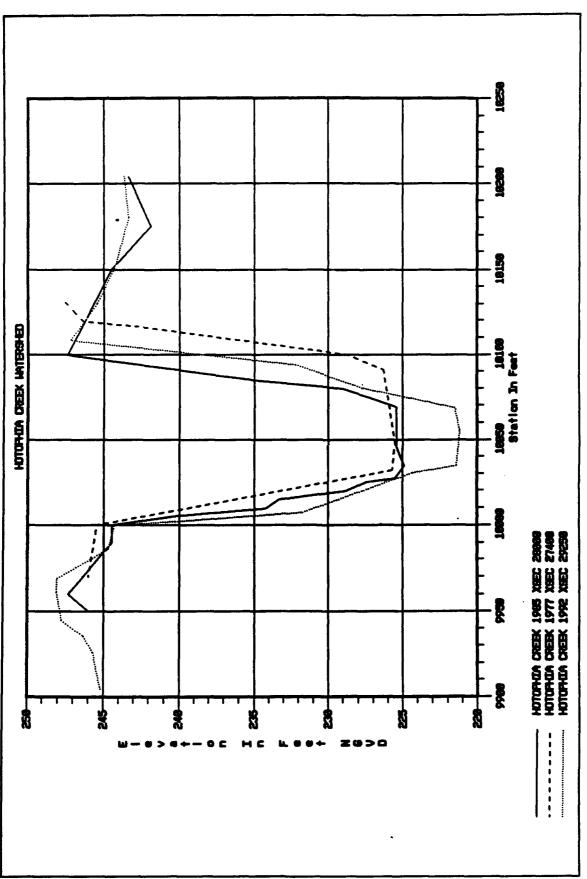


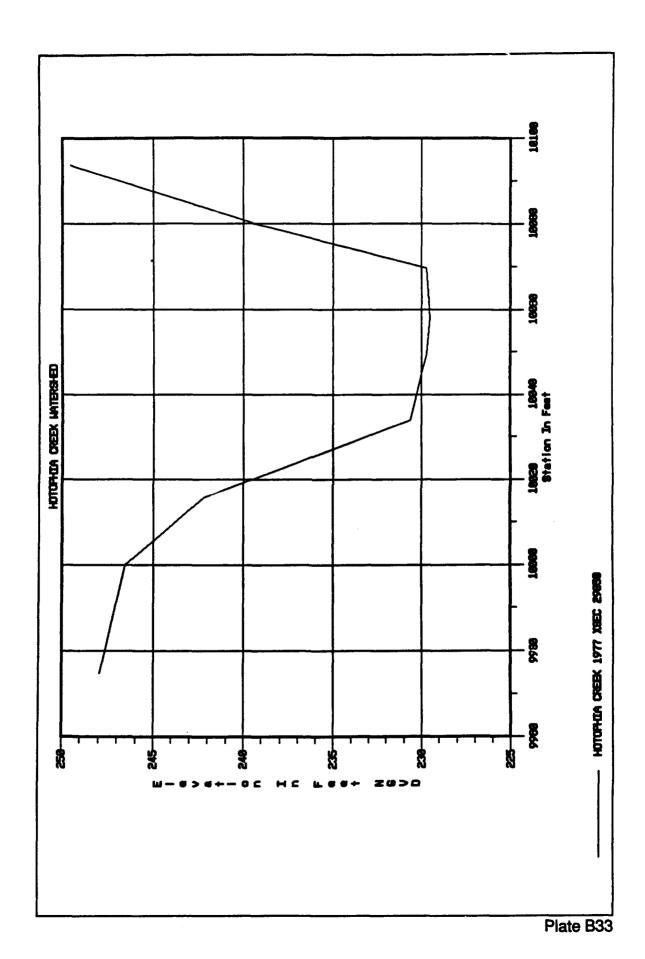


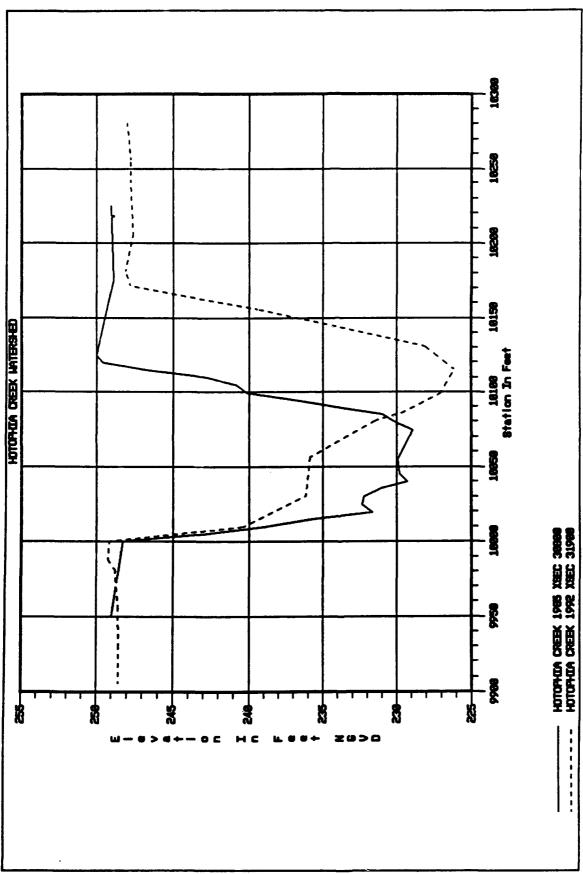


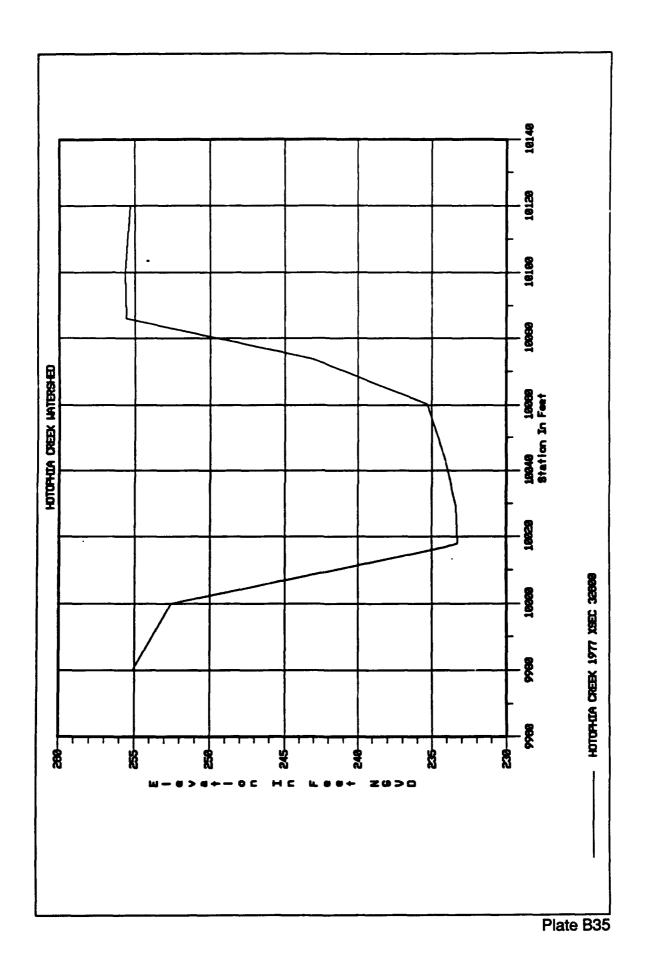


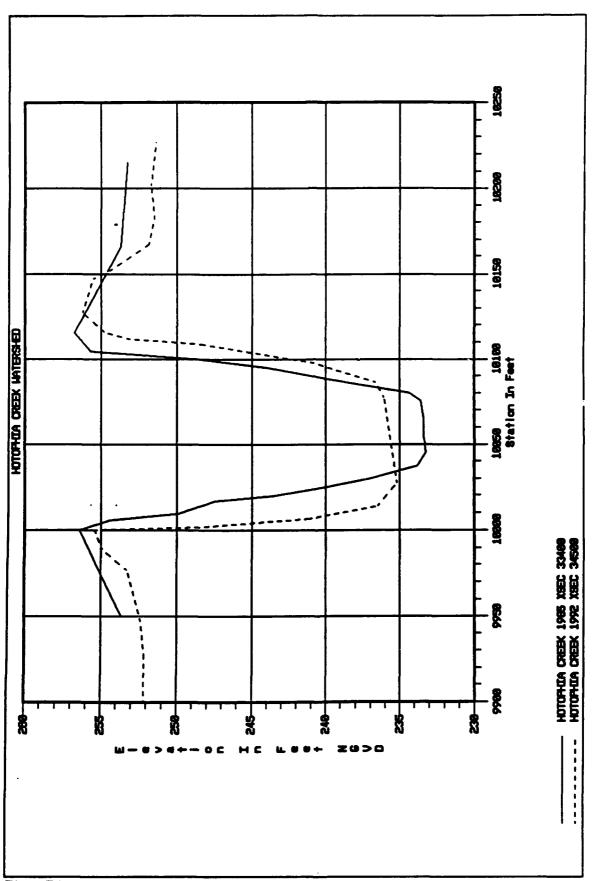


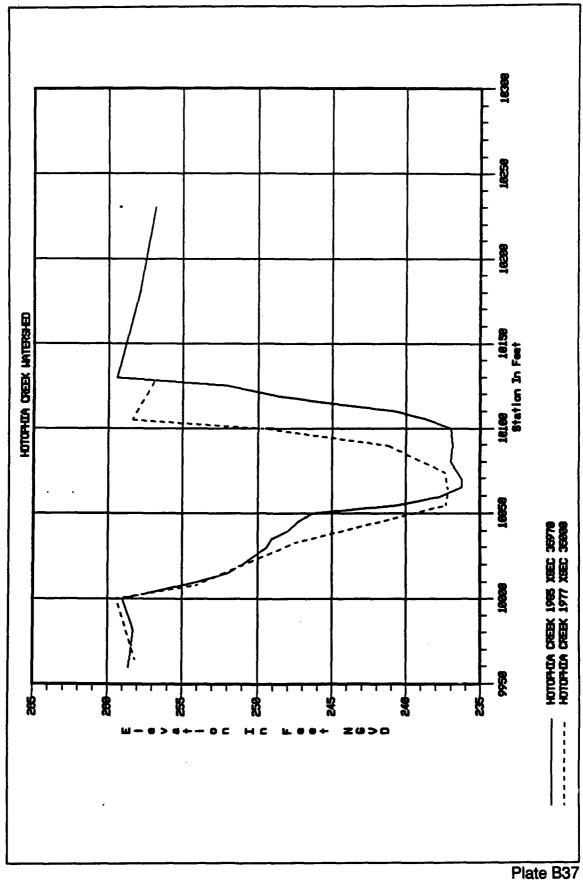


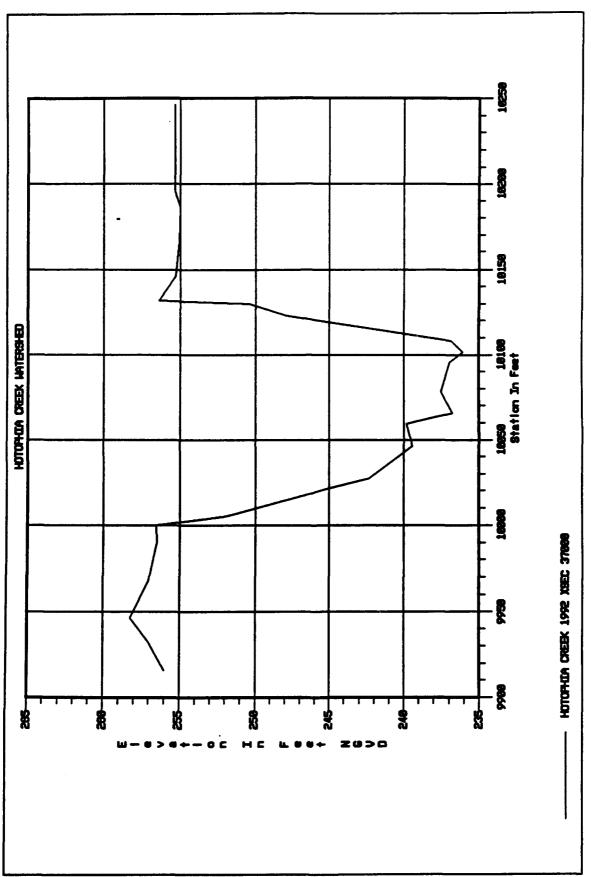


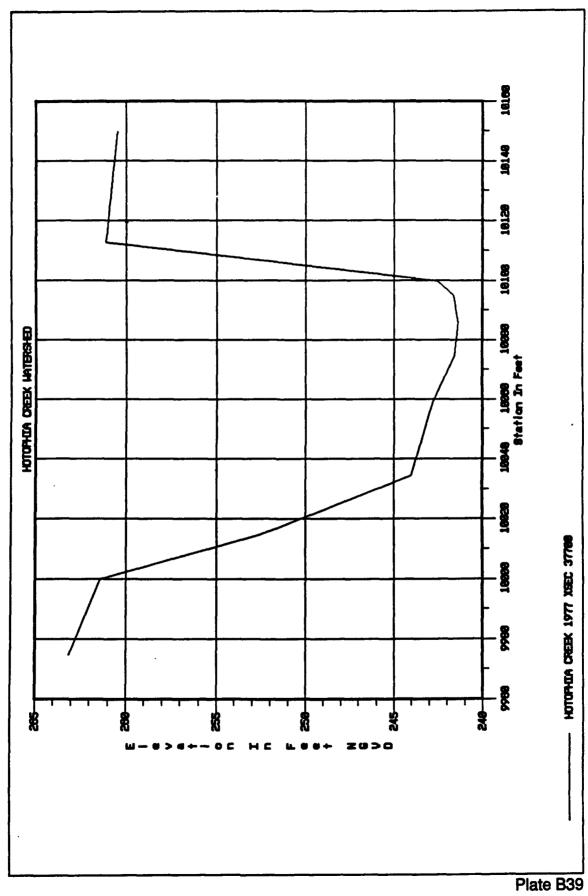


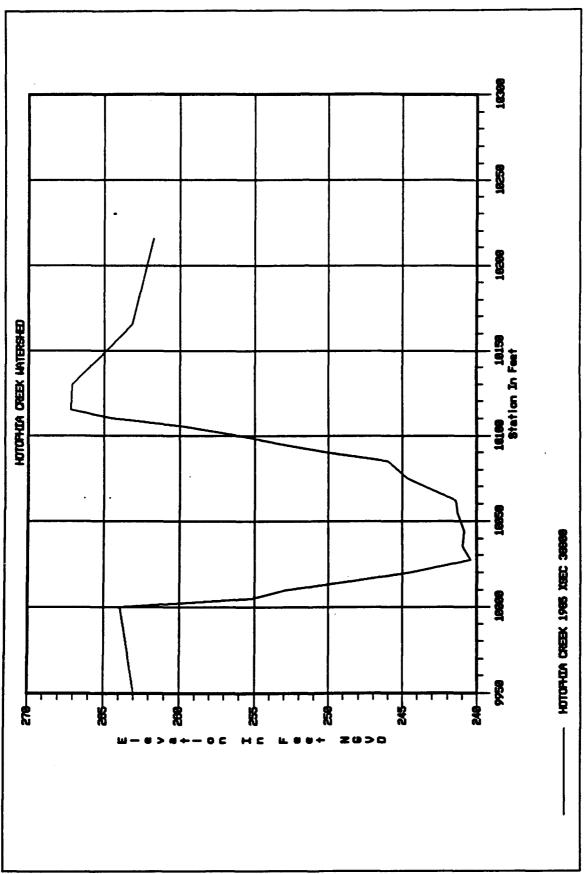


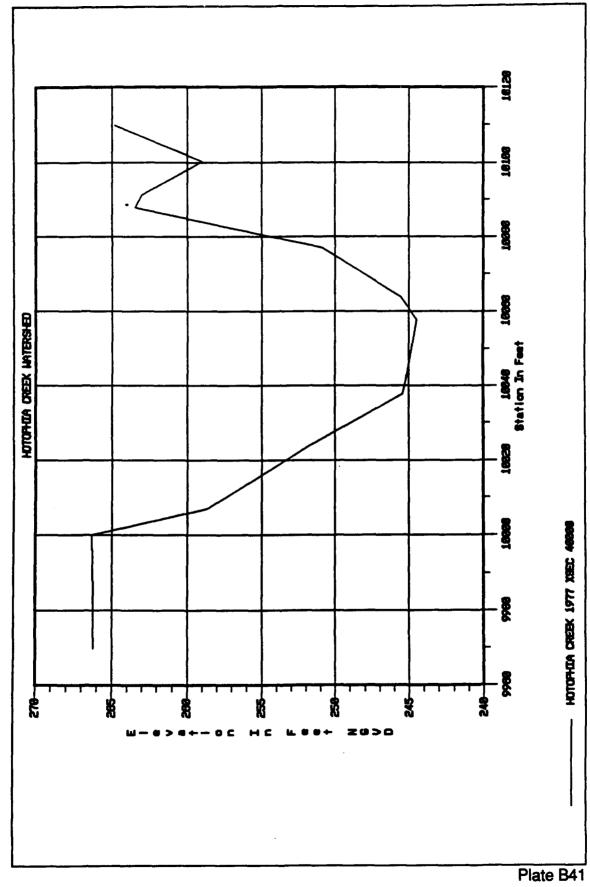


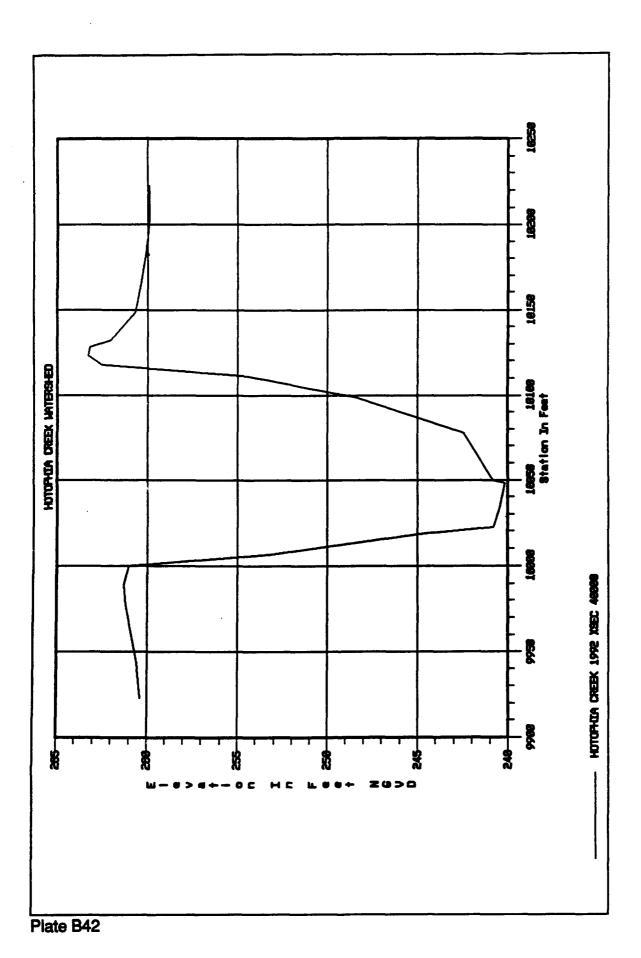


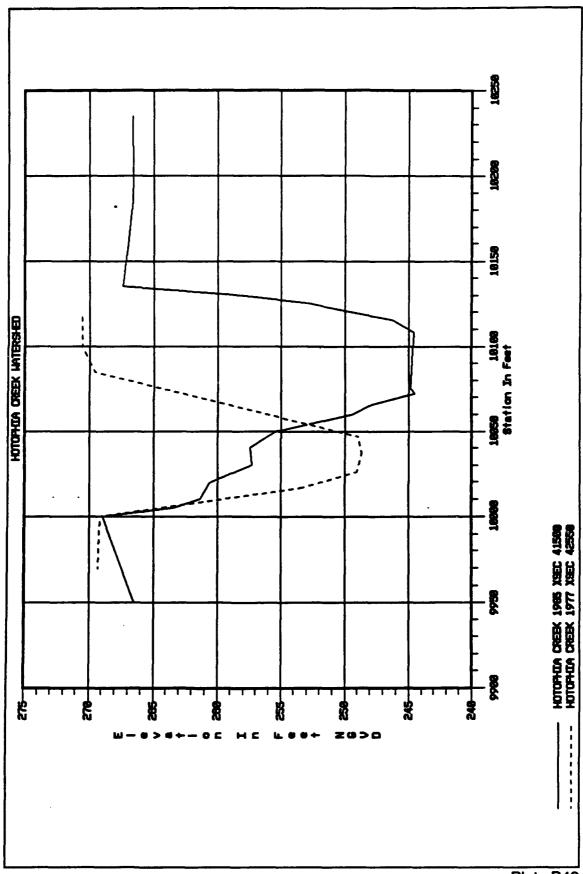


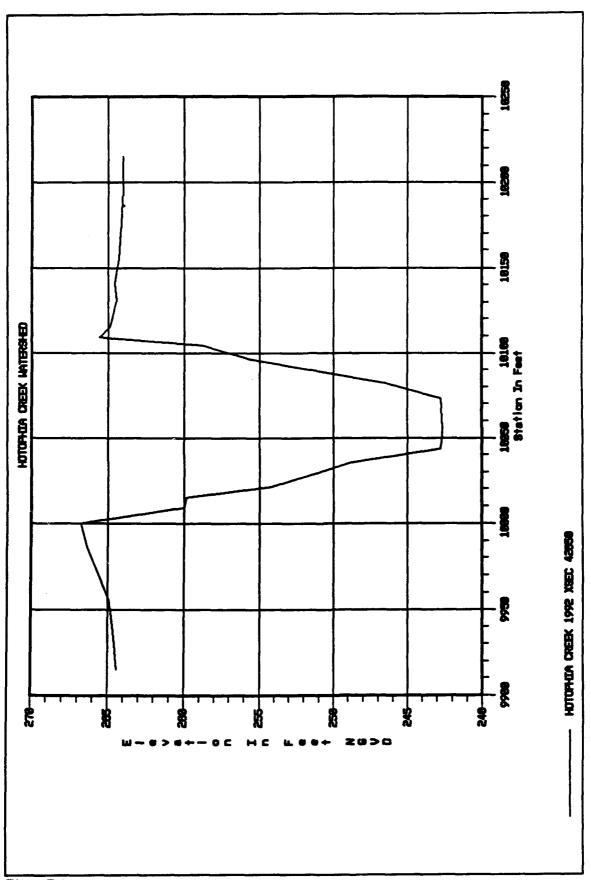


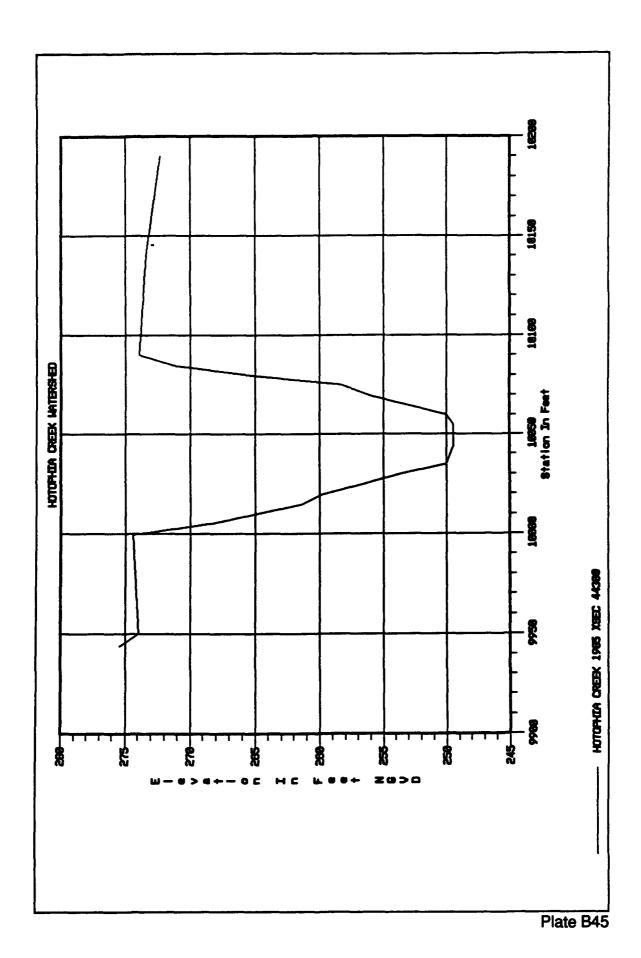


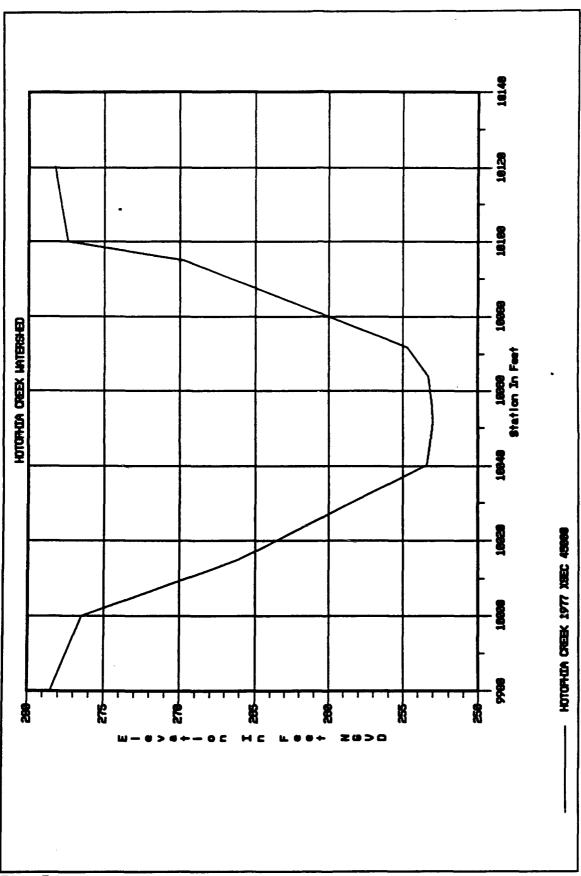


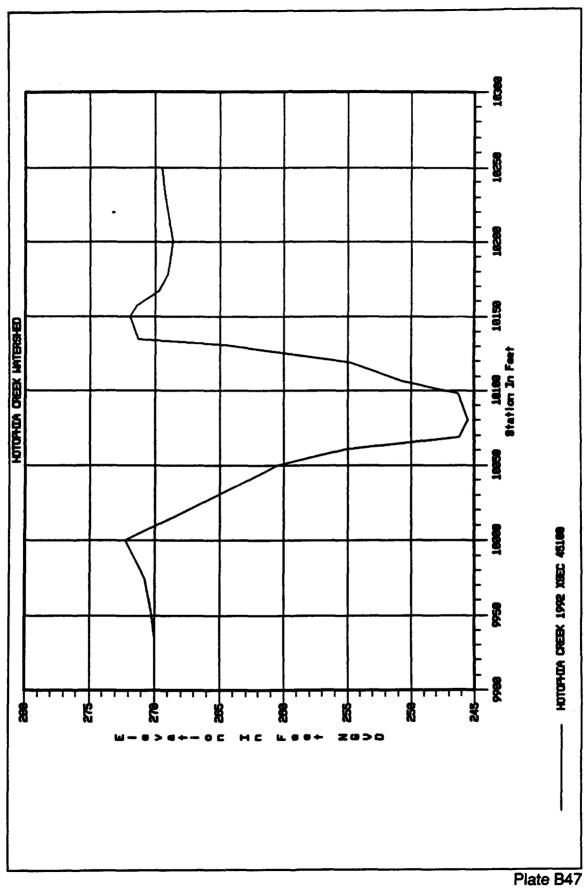


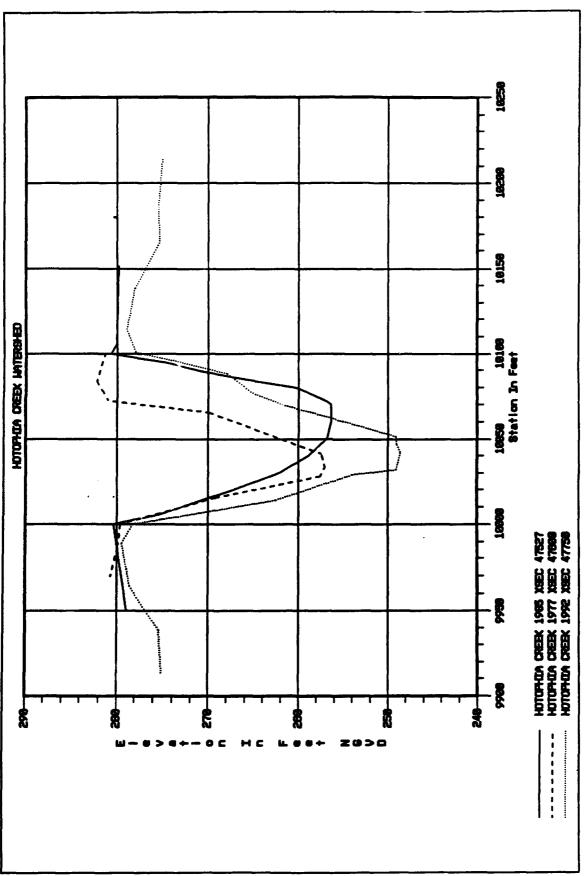


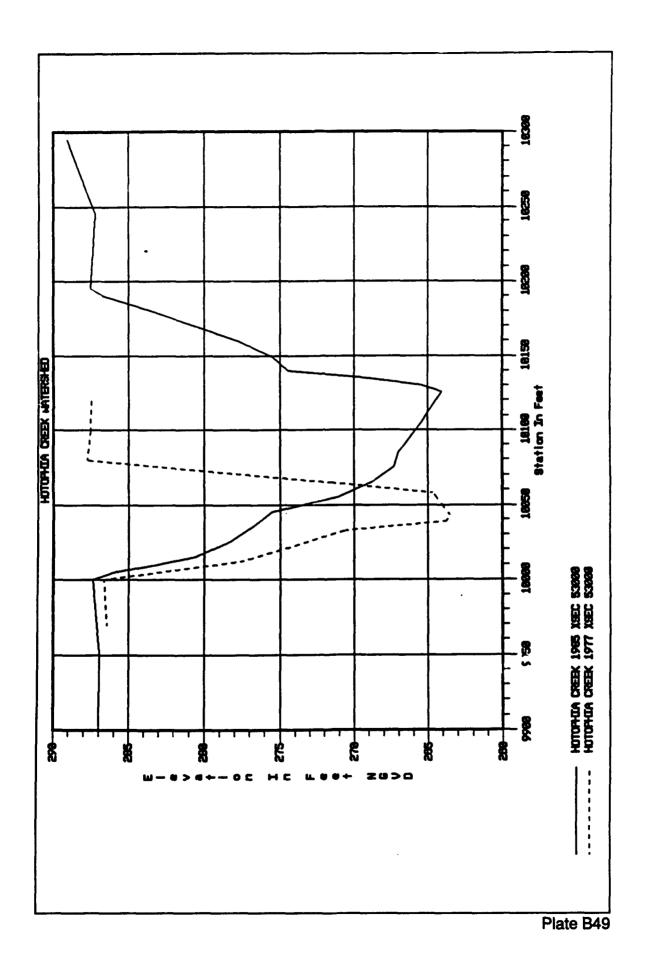


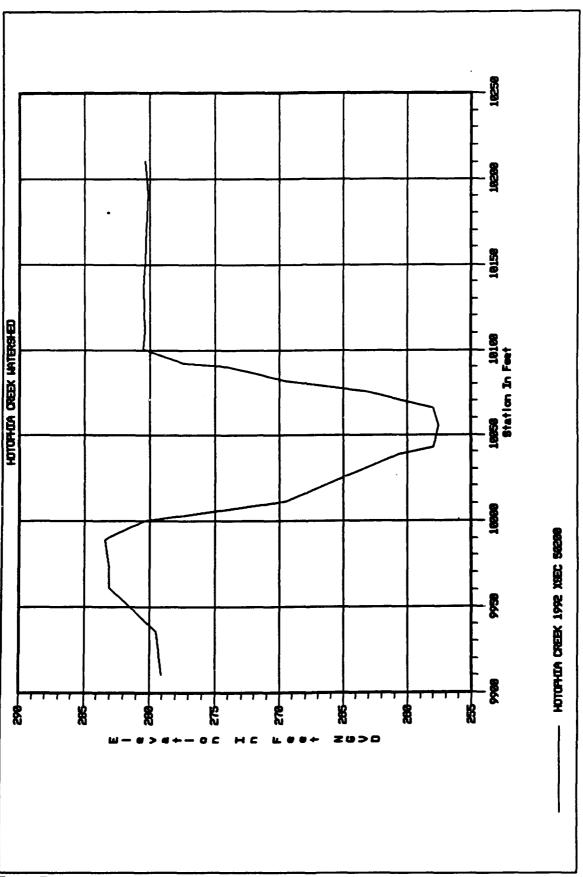


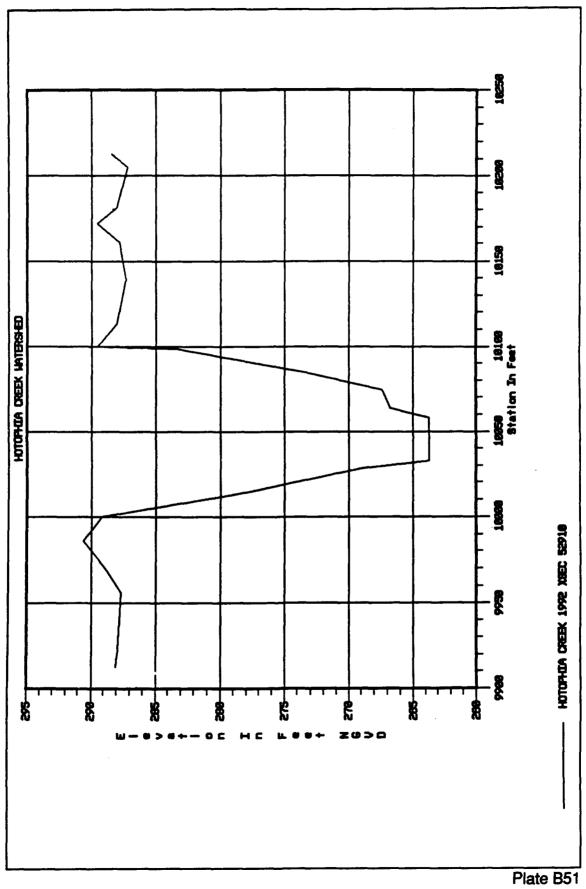


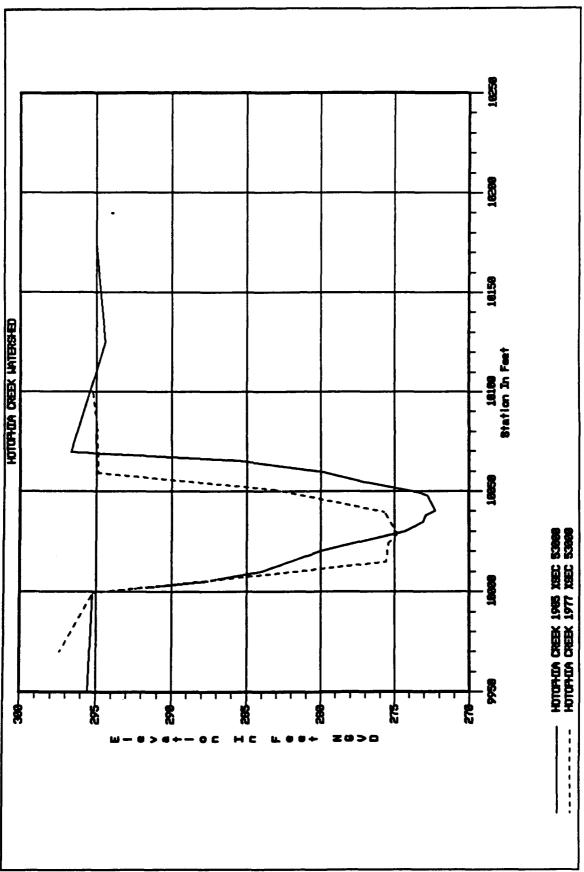


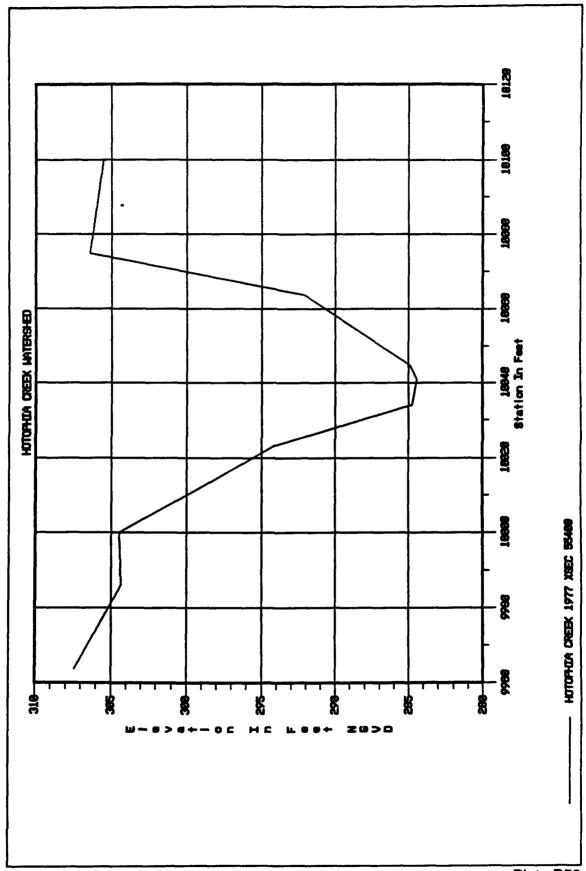


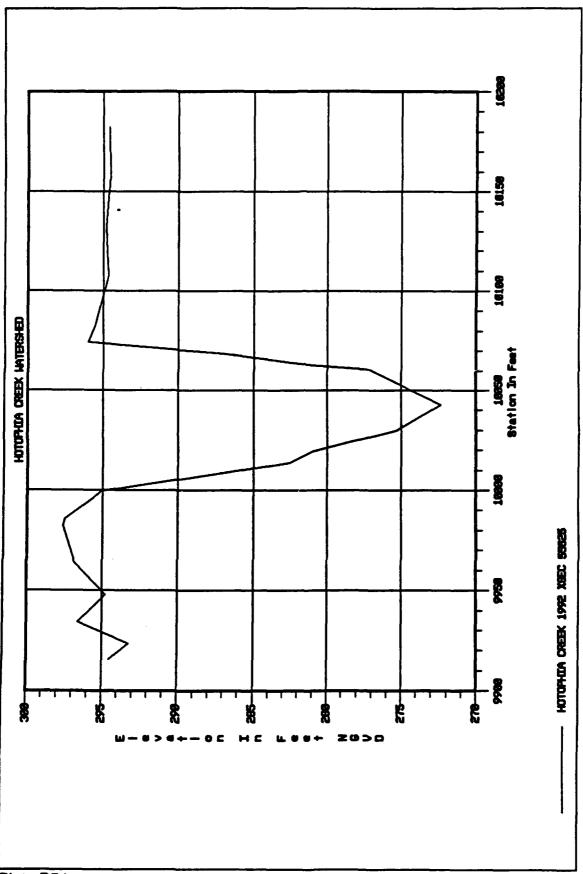


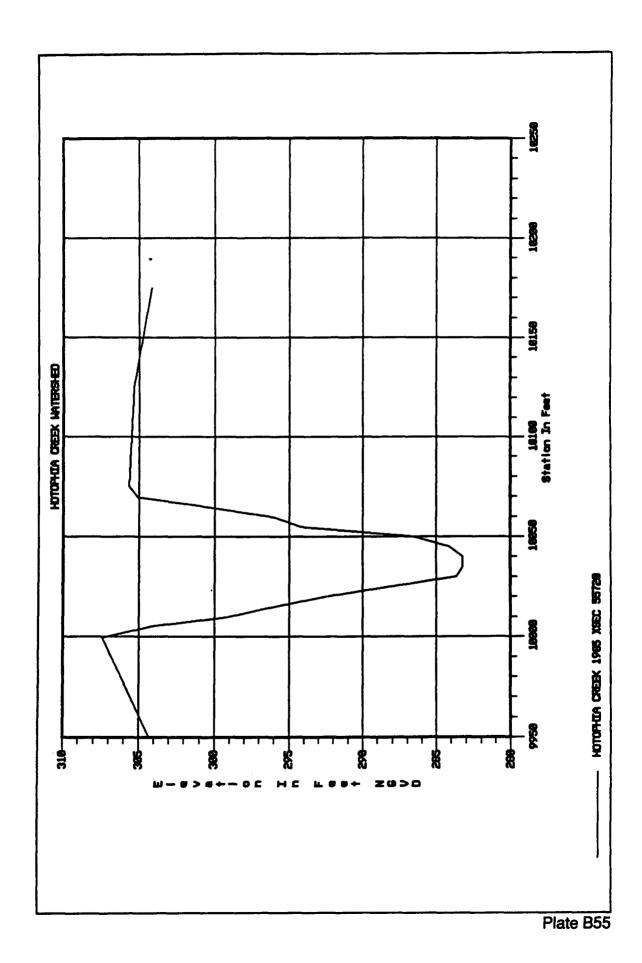


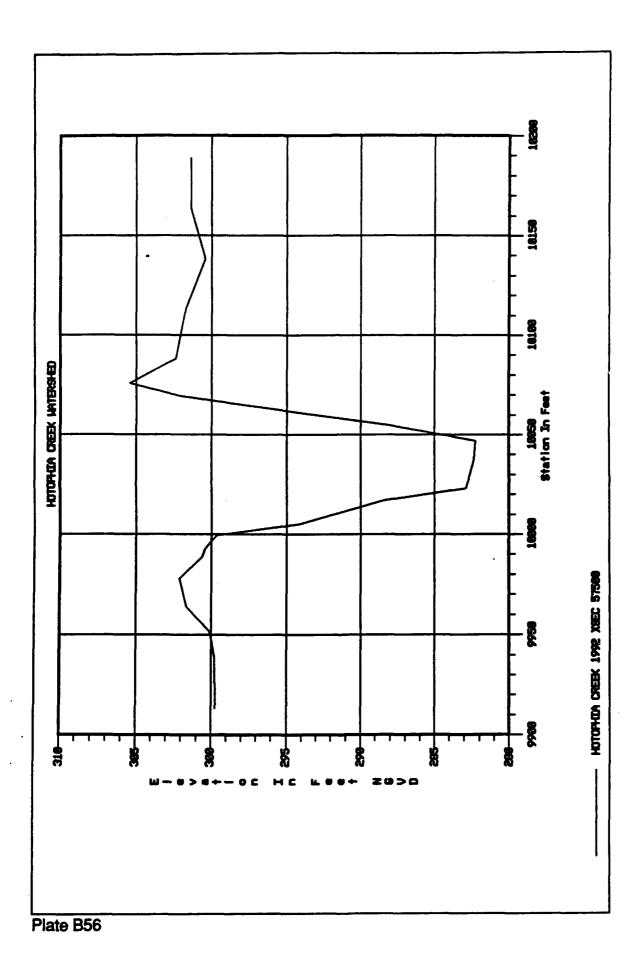


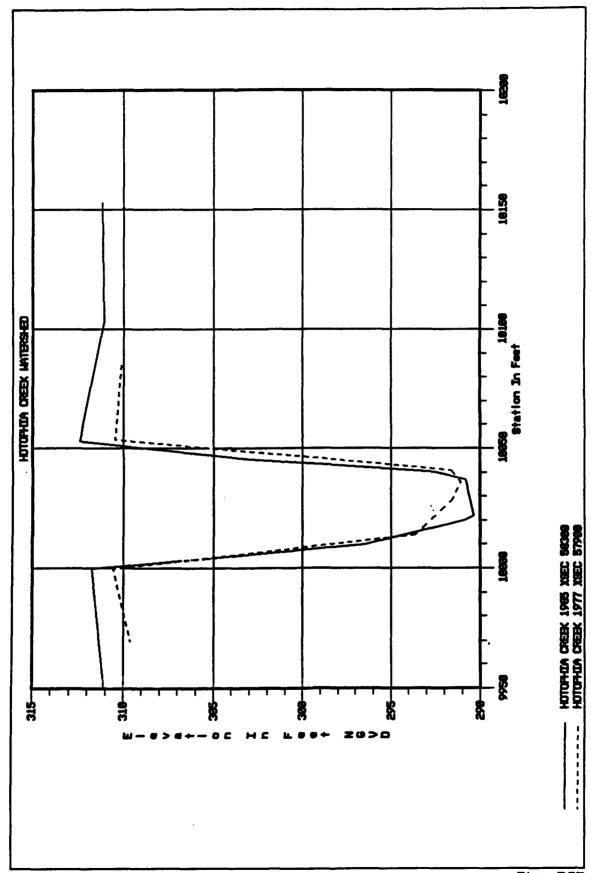


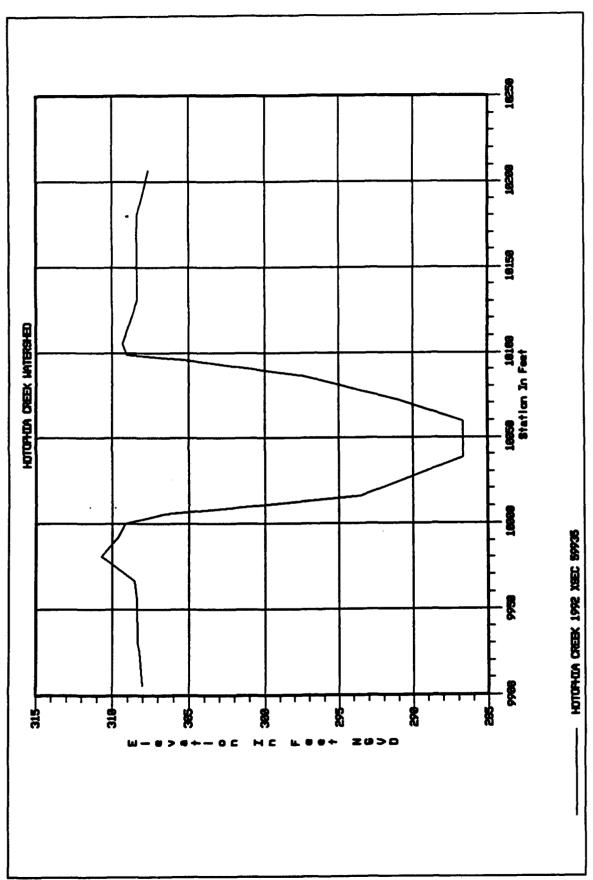


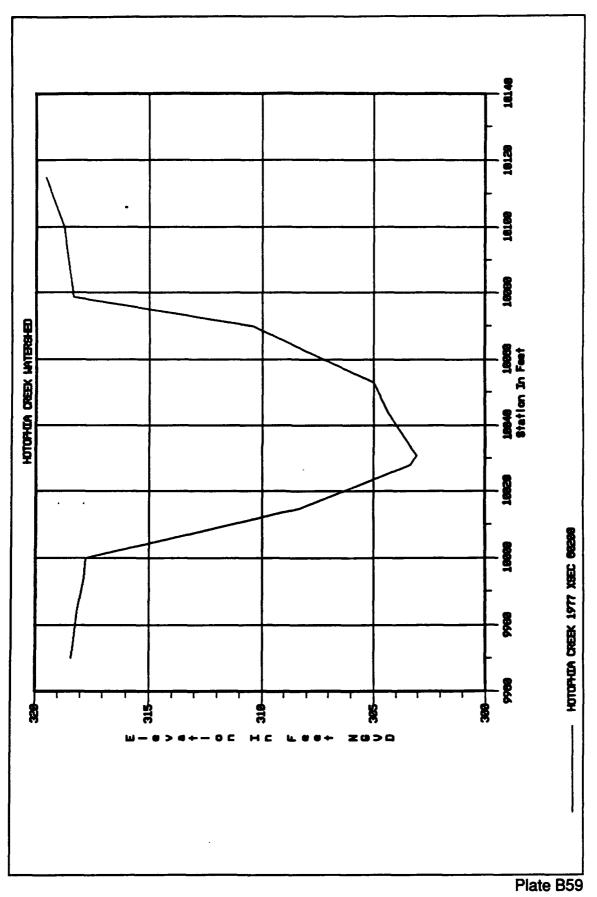


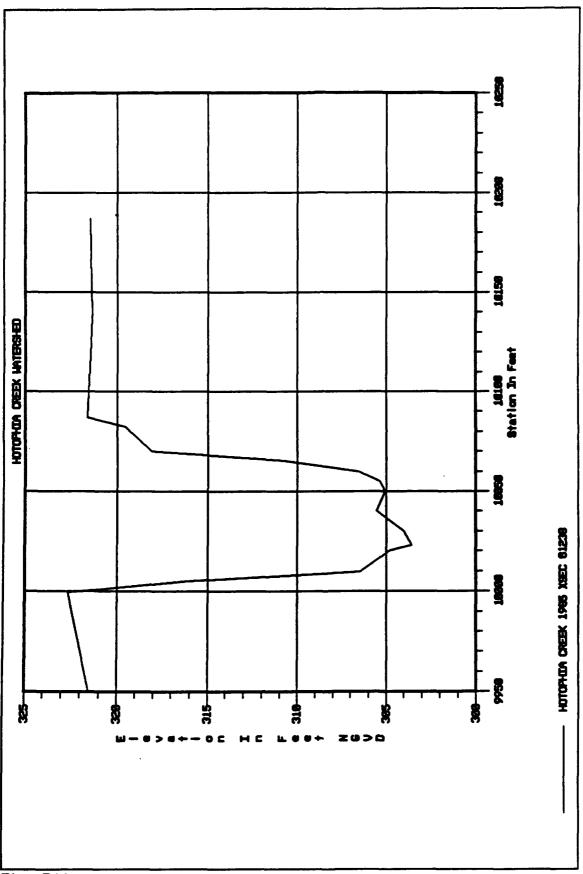


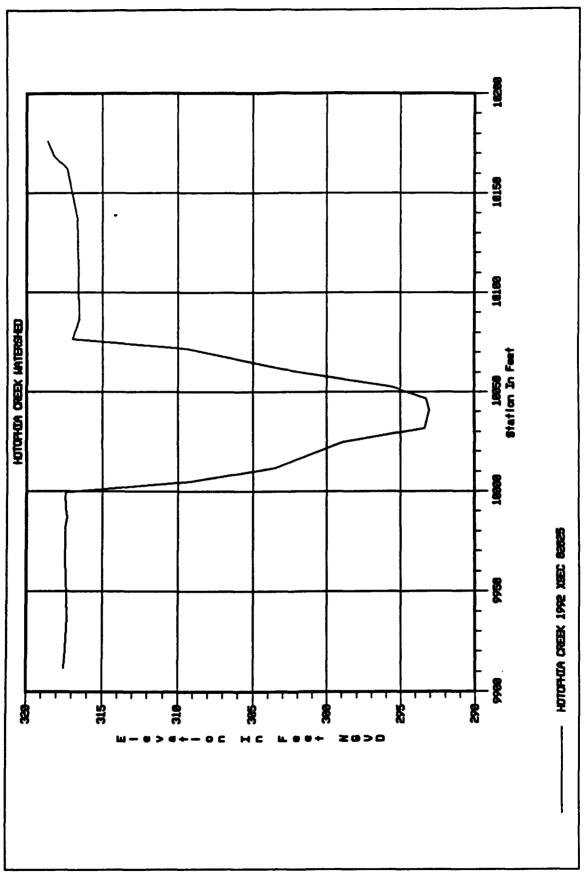


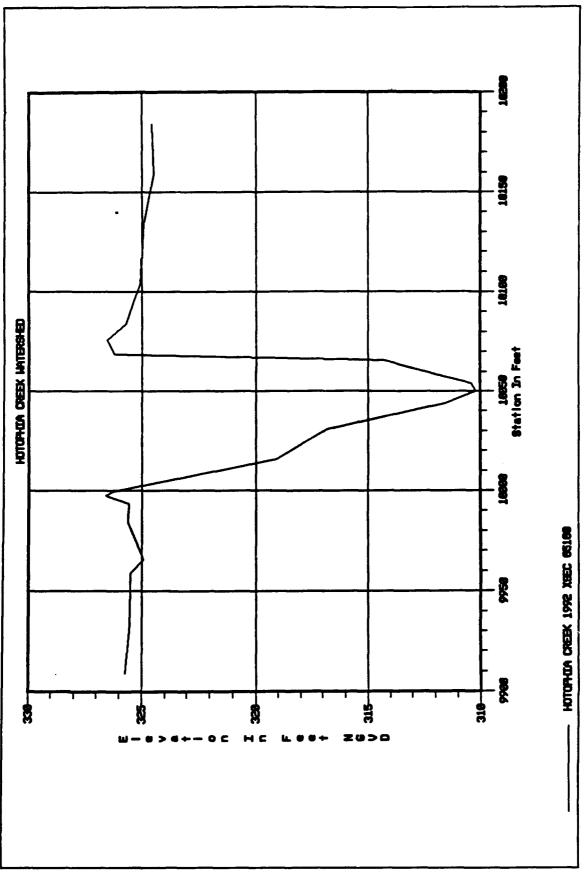


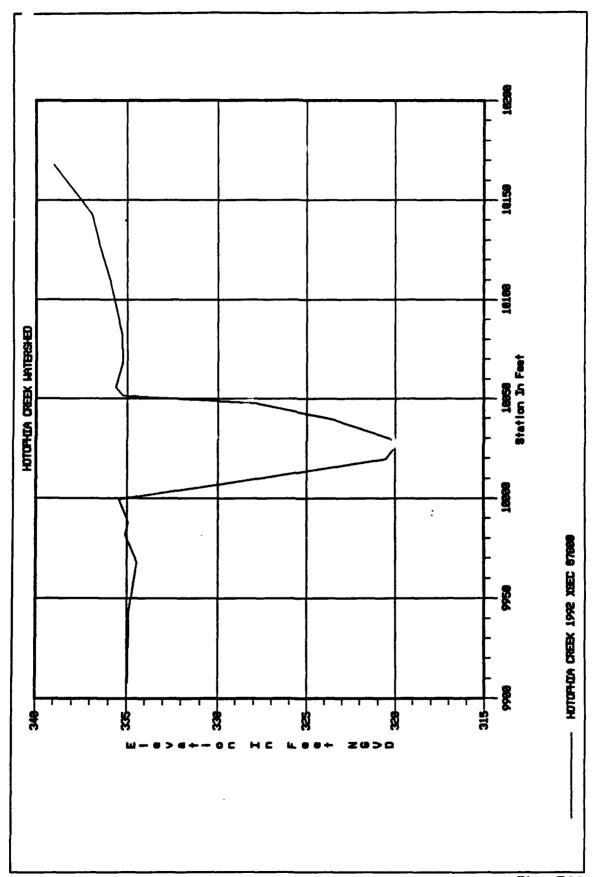


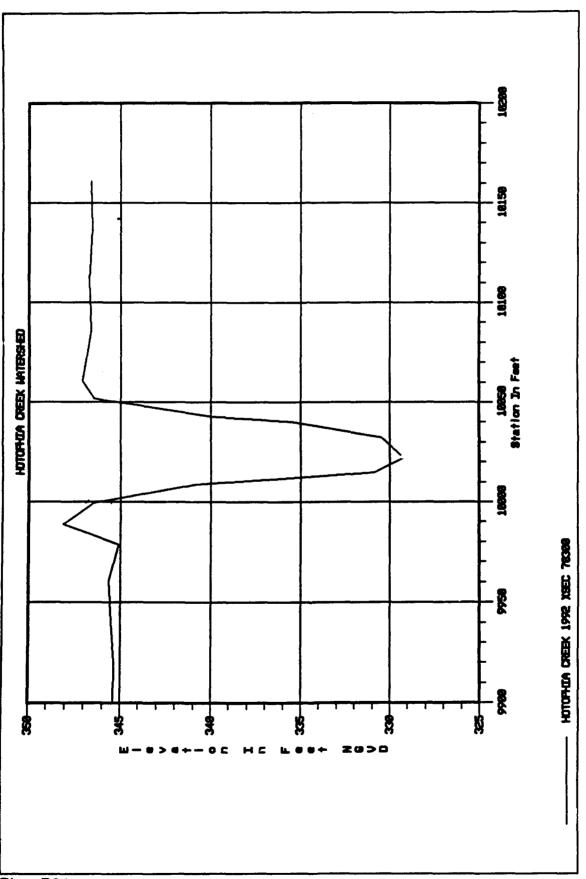


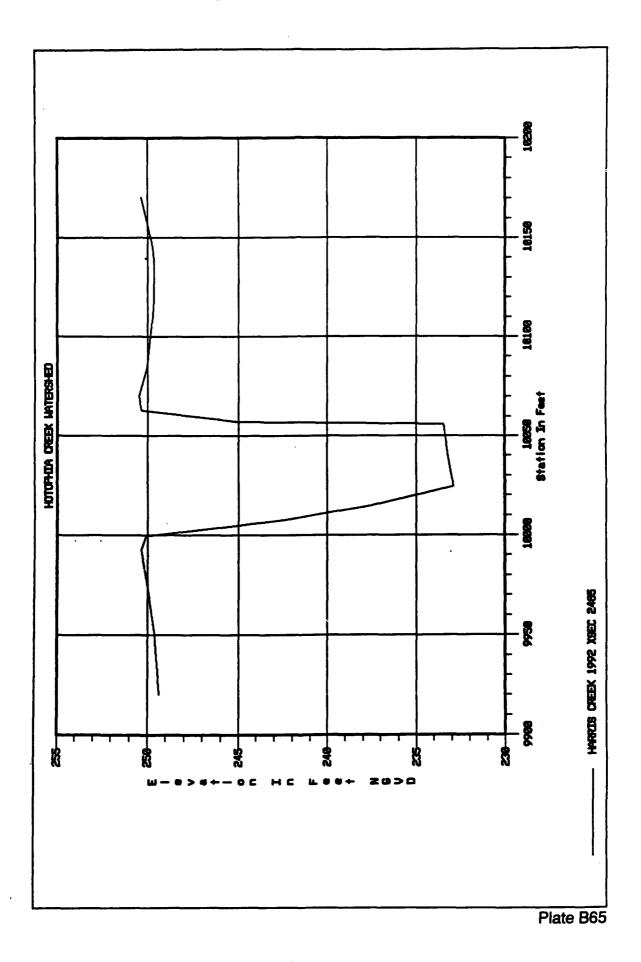


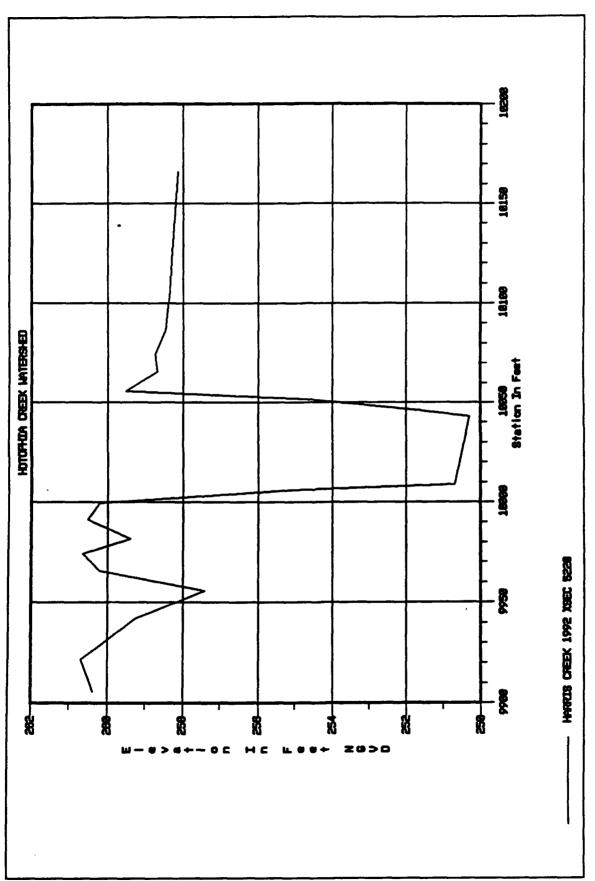


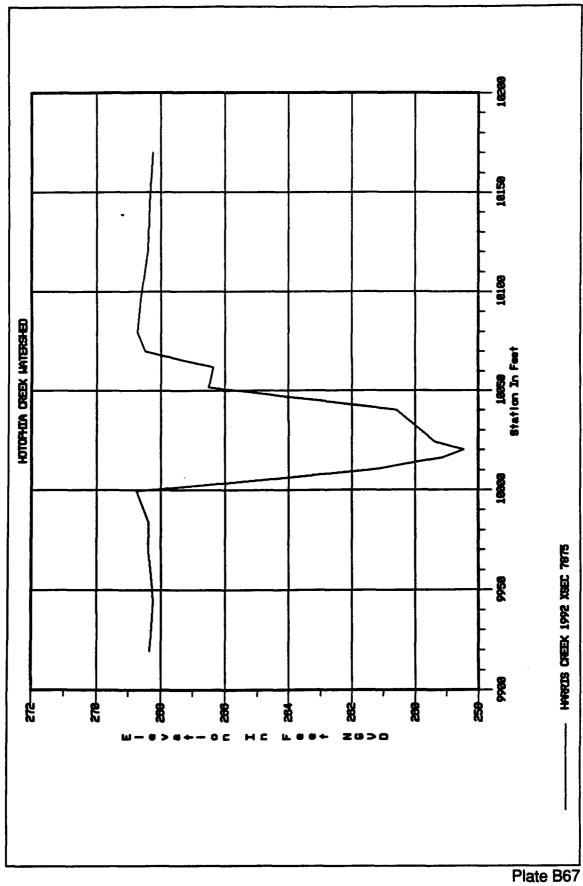


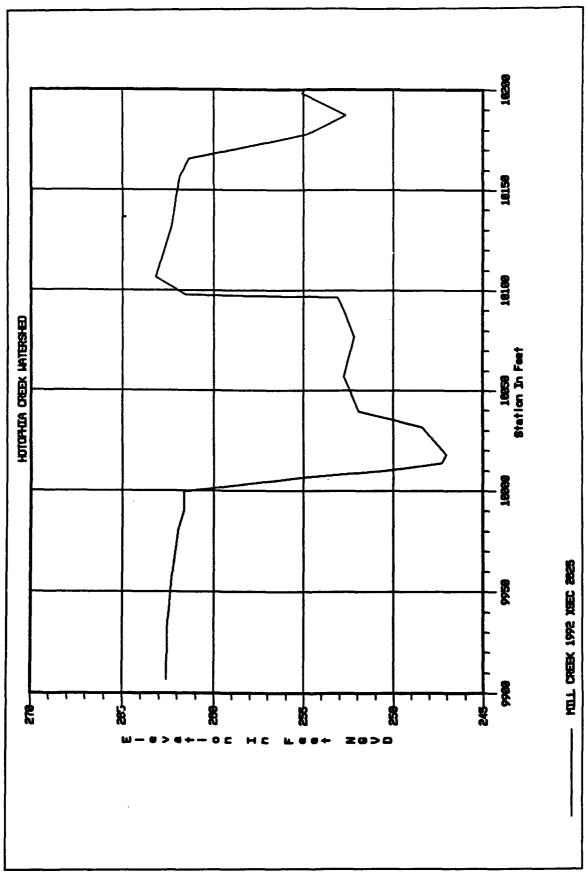


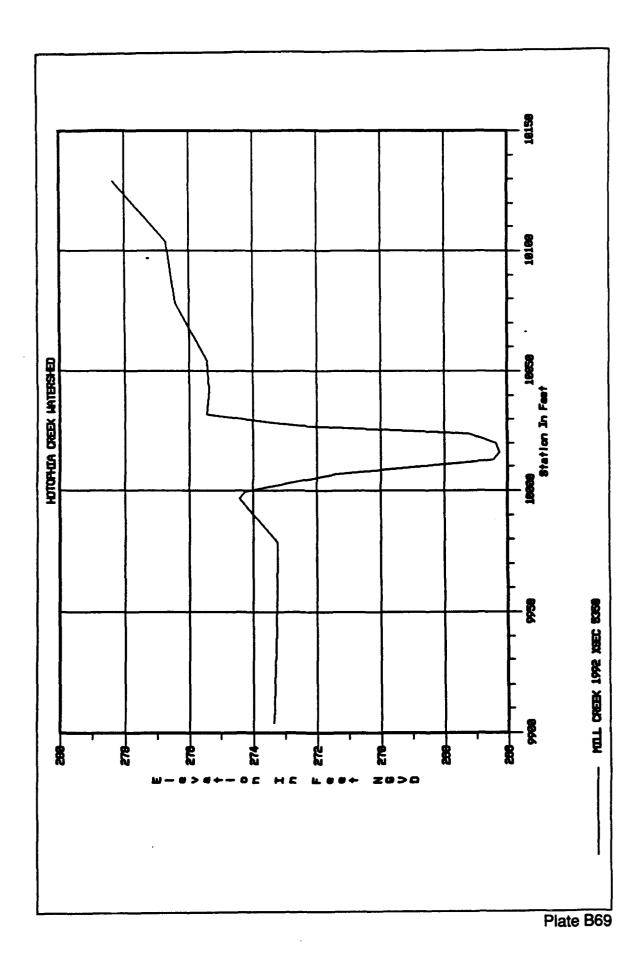


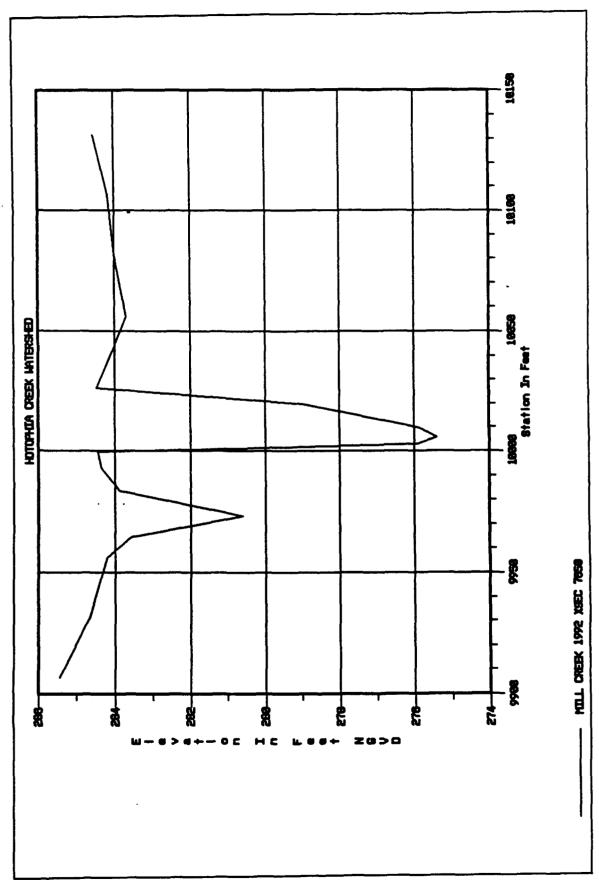


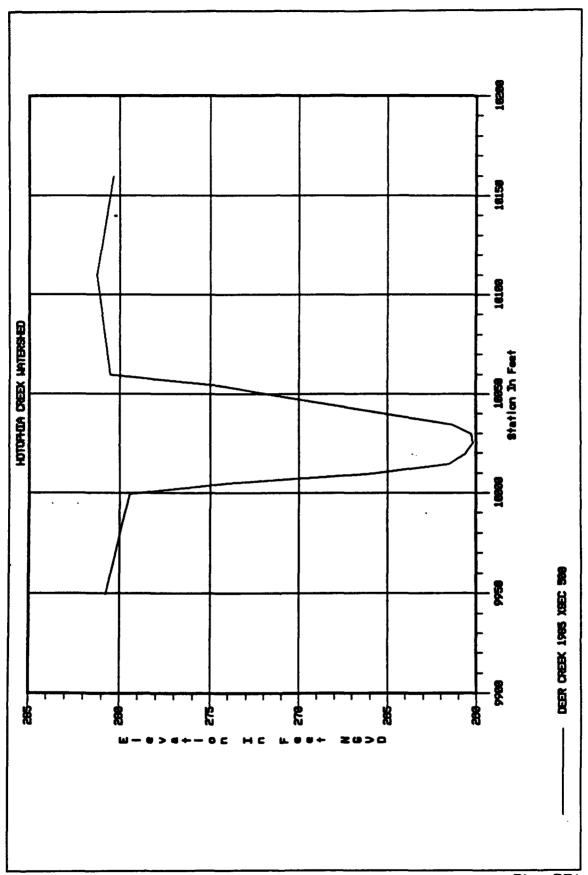












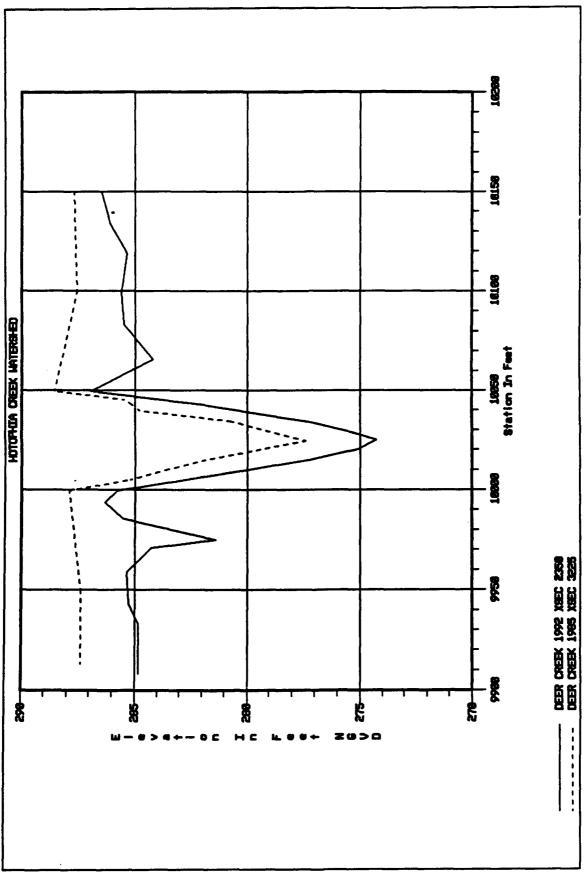
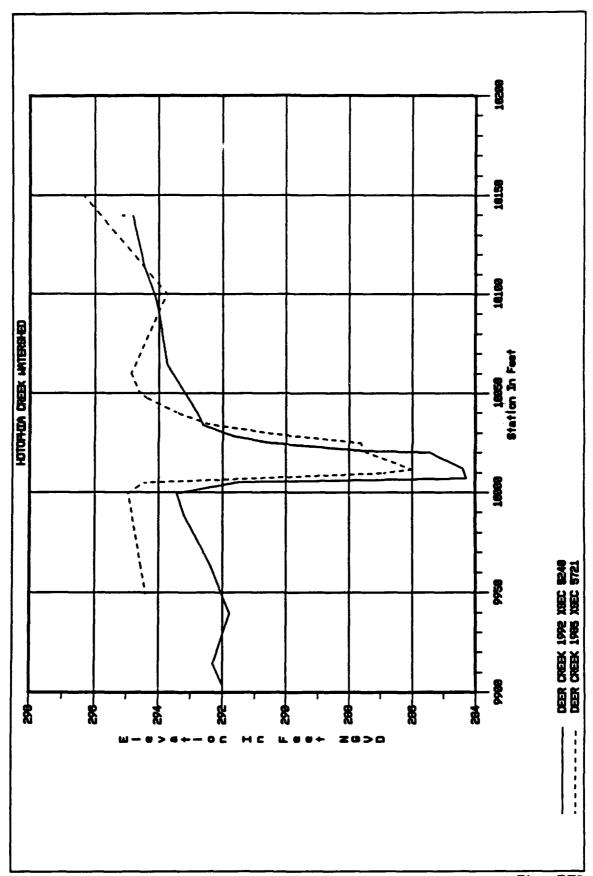
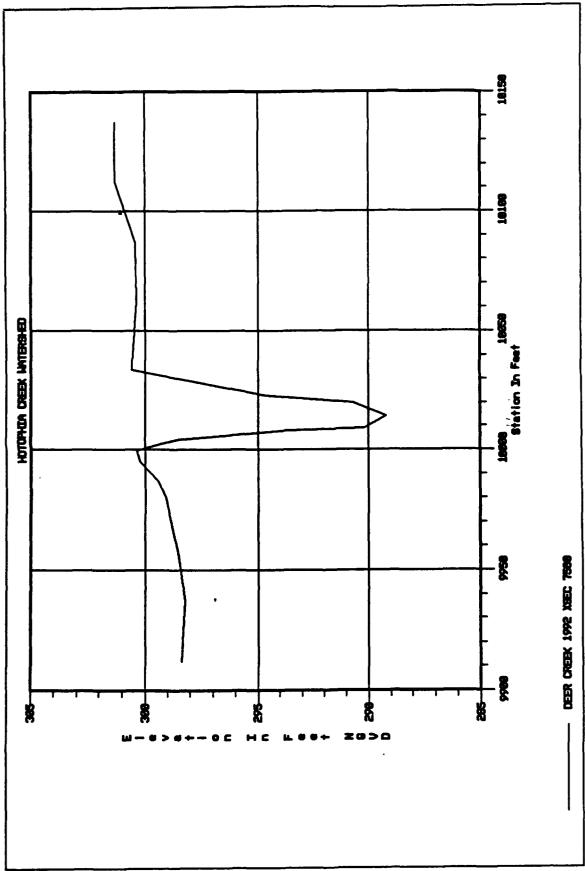
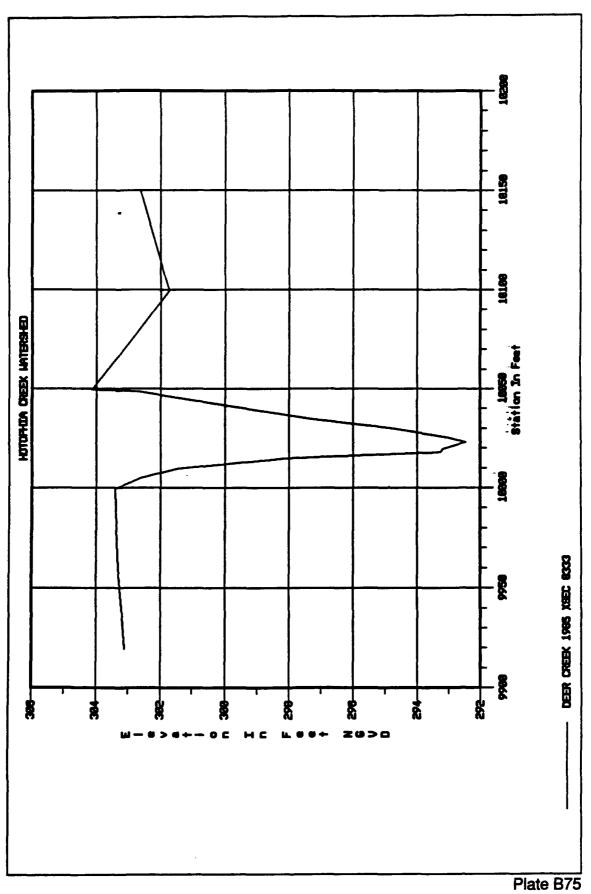
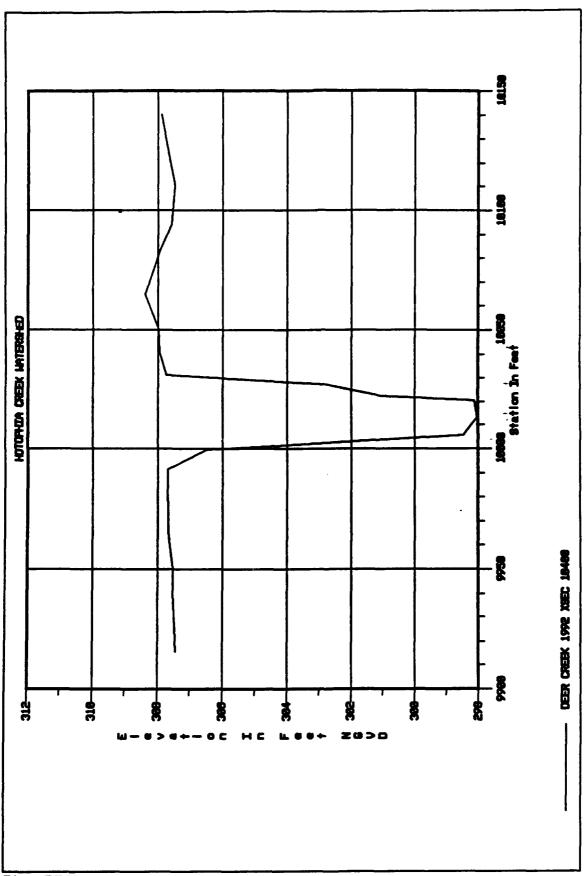


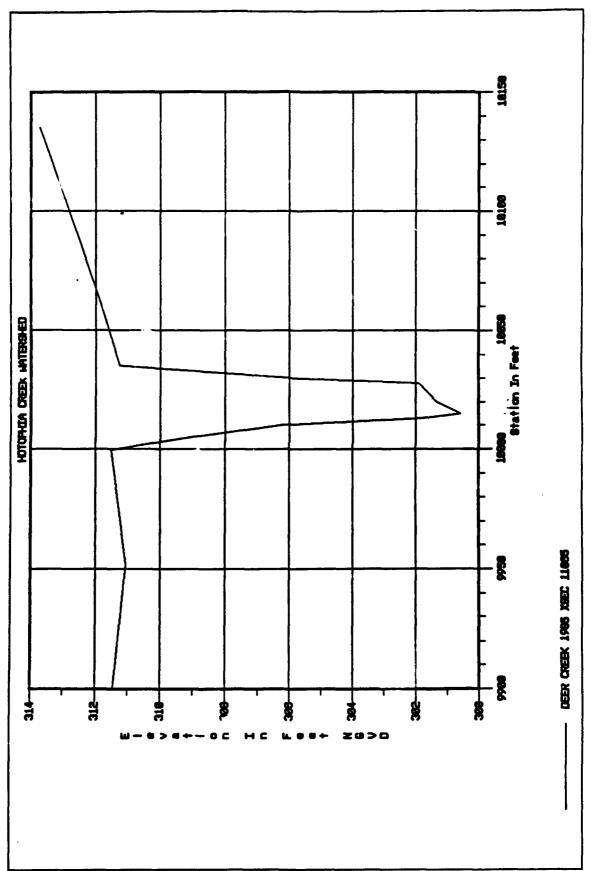
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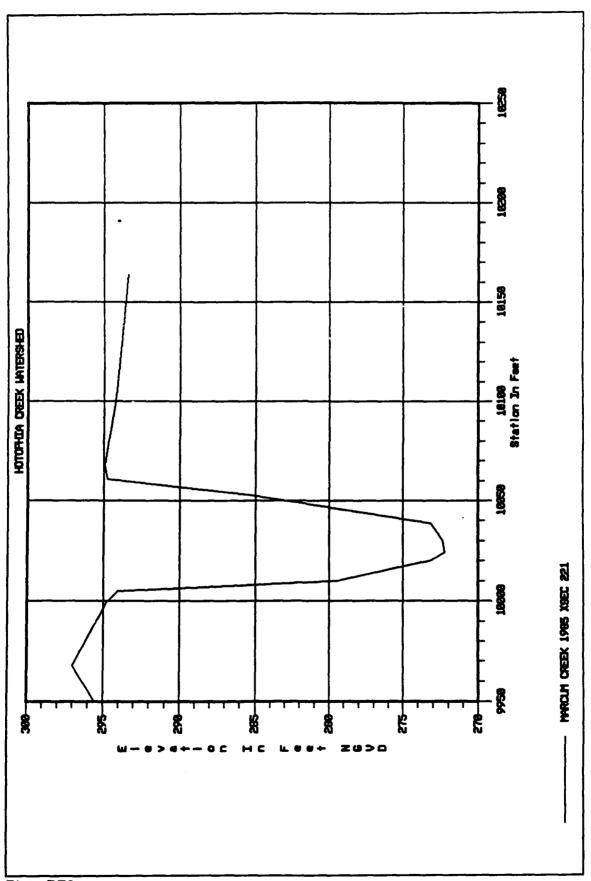


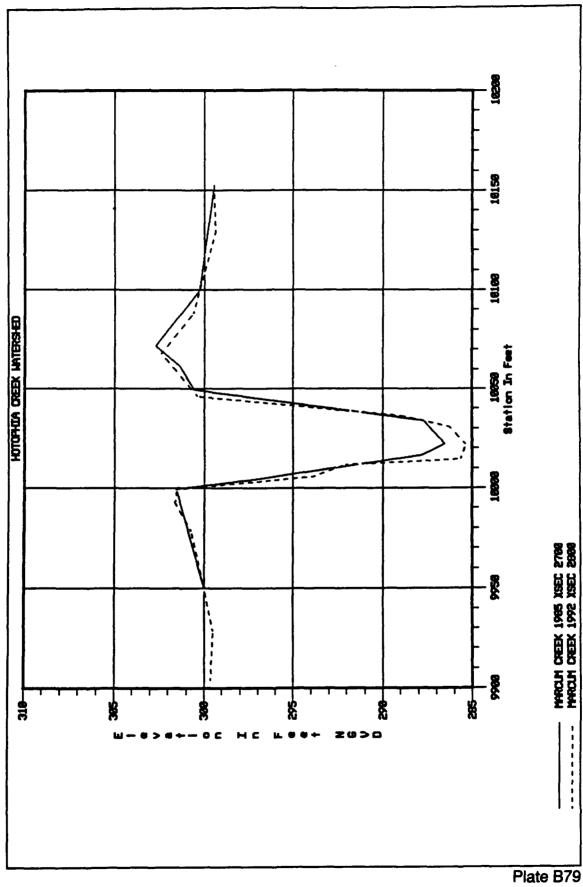


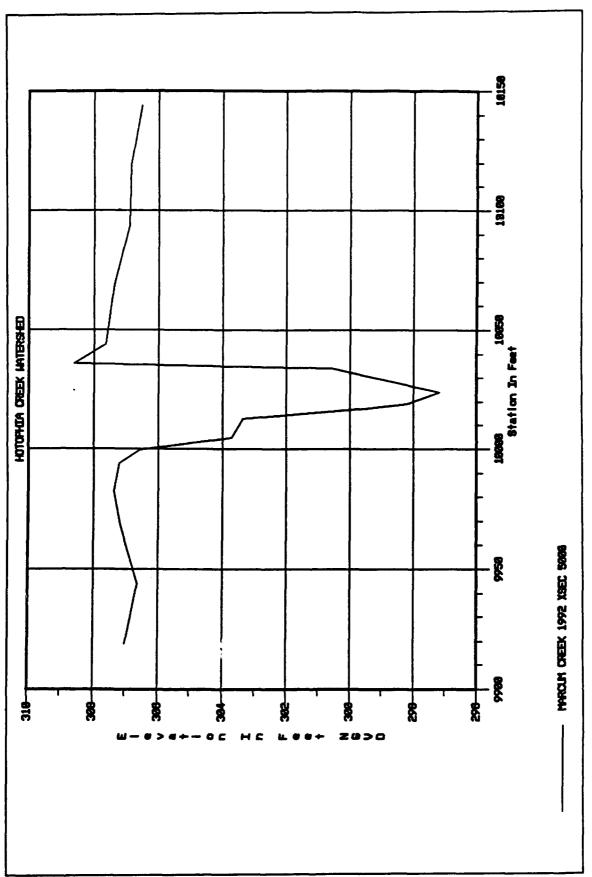


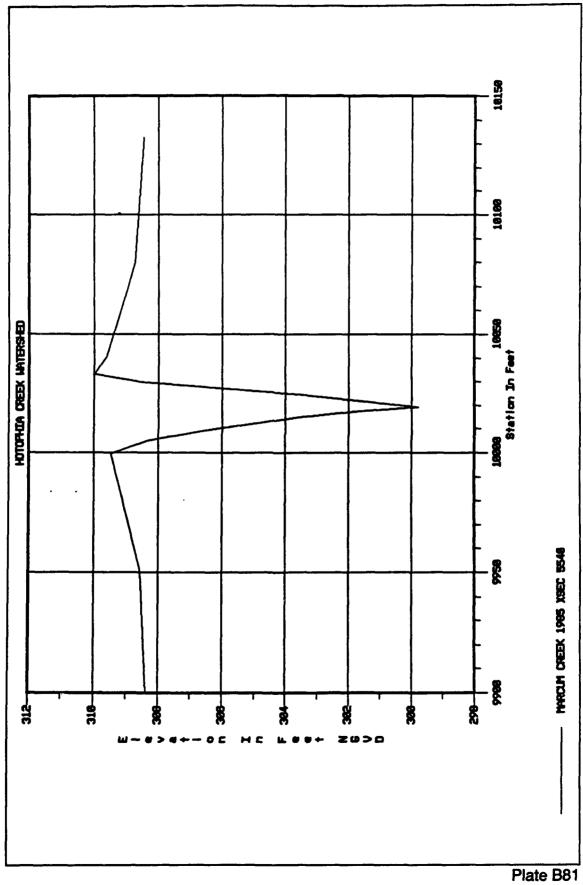


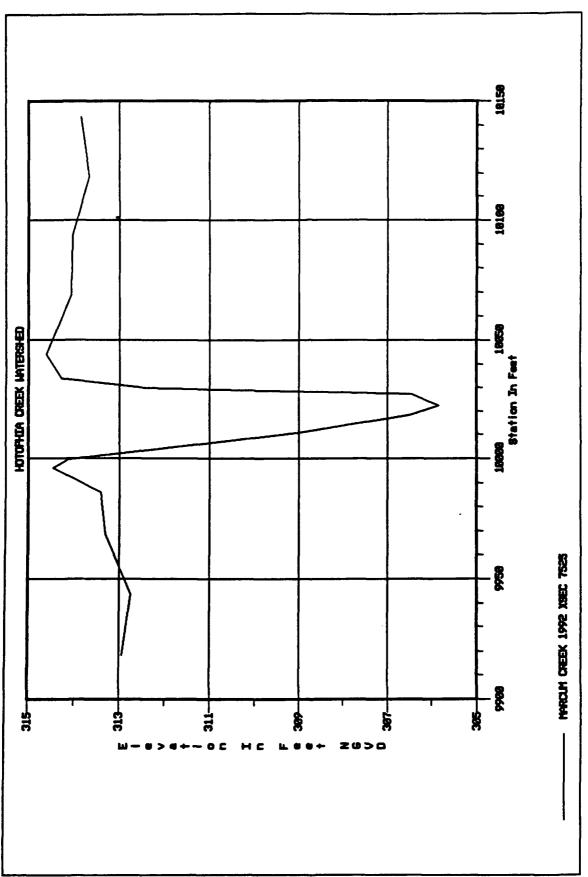


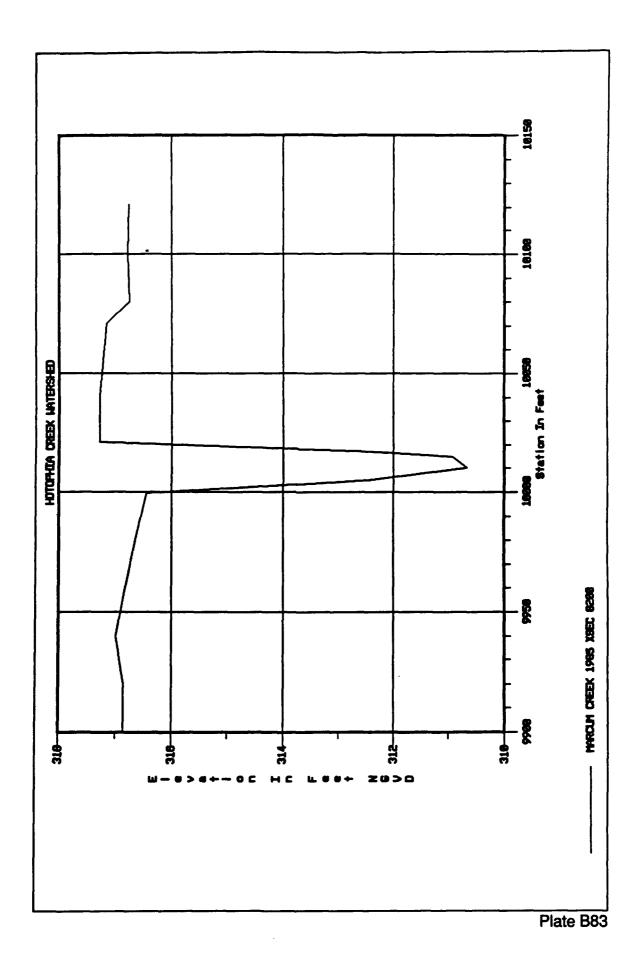


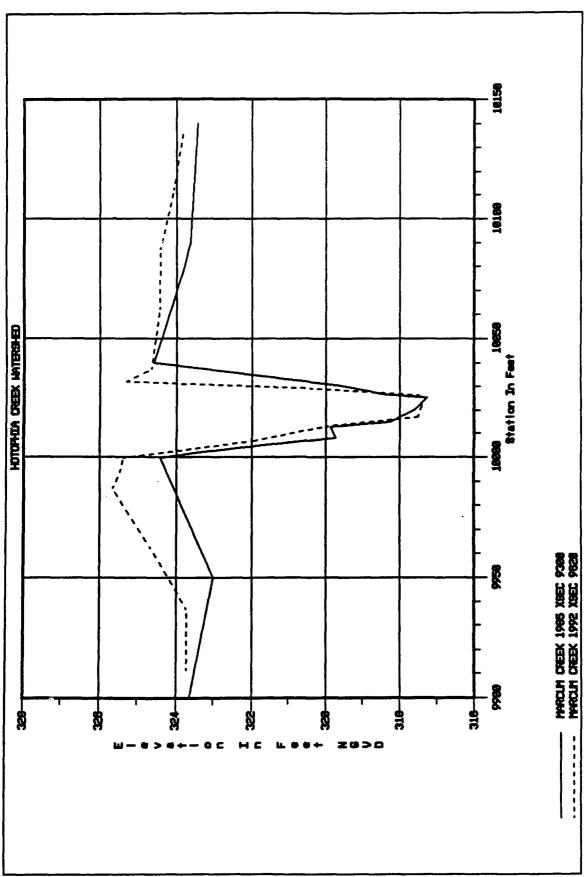












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The purpose of monitoring the Demonstration Erosion Control (DEC) Project is to evaluate and document watershed response to the implemented DEC Project. Documentation of watershed responses to DEC						
Project features will allow the participating agencies a unique opportunity to determine the effectiveness of						
existing design guidance for erosion and flood control in small watersheds. The monitoring program includes 11 technical areas: stream gauging, data collection and data management, hydraulic performance of structures,						
channel response, hydrology, upland watersheds, reservoir sedimentation, environmental aspects, bank stability,						
design tools, and technology transfer.						
Appendix B documents the channel cross-section and profile data used in the detailed geomorphic assessment for the Hotophia Creek watershed that is presented in Volume I of this report.						
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